

# THE JOURNAL

## of the Michigan State Medical Society

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### Contributors To this Issue



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See Page 754

for

Preliminary Program

86th Annual Session

Michigan State Medical Society

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# THE JOURNAL

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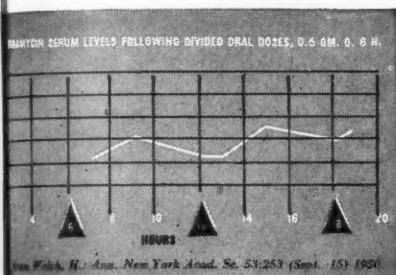
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H. H. Stryker.....	Borgess Hospital, Kalamazoo

## Liaison Committee with UAW-CIO

O. O. Beck, <i>Chairman</i> .....	274 W. Maple, Birmingham
C. W. Brainard.....	1102 Security Bank Bldg., Battle Creek
William Bromme.....	Professional Building, Detroit
D. H. Kaump.....	Providence Hospital, Detroit
J. E. Livesay.....	Mott Foundation Bldg., Flint

## Committee of Seven to Study Basic Science Law

J. D. Miller, <i>Chairman</i> .....	Metz Bldg., Grand Rapids
W. B. Harm.....	5884 W. Vernor Highway, Detroit
J. Joseph Herbert, LL.B.....	127 S. Cedar, Manistique
J. E. Livesay.....	Mott Foundation Bldg., Flint
J. H. Schlemer.....	13826 Dexter Blvd., Detroit
E. D. Spalding.....	10 Peterboro, Detroit
D. B. Wiley.....	Utica

## Special Committee to Study Insurance Reporting Forms

Matthew Peelen, <i>Chairman</i> .....	252 E. Lovall, Kalamazoo
O. O. Beck.....	274 W. Maple, Birmingham
E. A. Osius.....	901 David Whitney Bldg., Detroit



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# American Medical Association

The one hundredth annual session of the AMA convened in Atlantic City, June 11-15, 1951. The Board of Trustees was in almost continuous session, as were some of the Councils. The House of Delegates held its first session Monday, June 11, at 10:00 a.m., and, through a formal session or by conference committees, was in almost constant session, excepting some of the very small hours of the night. Many problems were submitted by resolution from the various states or from the Judicial Council or the Board of Trustees. On Tuesday evening, June 12, Dave Beck, of Seattle, Washington, executive vice president of the International Brotherhood of Teamsters (A.F.L.), declared that the answer to the nation's medical care problems lies in the continued expansion and improvement of voluntary health insurance plans.

He was the second nationally known labor leader to appear before the AMA to express support of the doctors' campaign against compulsory health insurance. Last December, William L. Hutcheson, general president of the United Brotherhood of Carpenters and Joiners of America, condemned socialized medicine vigorously.

"Our job as American citizens is to meet this challenge," Beck said. "We cannot meet it with explosive propaganda aimed at destroying the system of free enterprise in the profession of medicine. The answer to the problem of medical care will not be found in any political panacea or through the development of a super-bureaucracy. The answer as proposed by advocates of government-controlled medicine is contrary to our economic structure and goes beyond our traditional guarantees."

Beck told the delegates that his union had adopted a medical care plan that featured free choice of doctors.

"I would never, under any circumstances, be a party to an arrangement of any kind whatsoever which would deny to any man the right to choose the doctor he wished to treat him in his hour of need and suffering," Beck declared.

"The progress of American medicine must not be blocked by the impediments of an uncertain and clumsy bureaucracy and I am convinced that

the medical profession can advance to its highest point of attainment in service to the public only if it remains free and untrammelled. It cannot attain those heights of professional achievement under a socialized or regimented system of medicine."

Beck told the delegates he had seen the experience of state medicine in other countries and saw at first hand "the failure of socialized medicine."

The suggestion in the JOURNAL editorial for May, mentioned several times before, was introduced by Michigan Delegates, and also by delegates from New York and Wisconsin looking to some provision by which a doctor may provide for his retirement age through investment of a portion of his income tax-free, with the tax to be paid when the annuity is cashed. This measure passed the House.

The House acted favorably on the proposal that some relief be available from the requirement of attending many staff meetings as well as county Society meetings. This especially when there are several such meetings which the doctor must attend to protect his staff appointment. This must be worked out in conjunction with the American College of Surgery. The House reaffirmed its action of last year which allowed members to give lectures and demonstrations to nonmedical groups. Under this resolution medical men, and scientists favorable to medicine's philosophy are now teaching in some of the new and better schools for optometrists, on the theory that their students who will refract a large percentage of the American people may be cautioned about many conditions which are discovered at refraction and might lead to blindness.

An unsuccessful attempt was made to modify one of the principles of ethics which was quoted in the suit recently settled by consent decree involving the great optical companies and over 3,300 ophthalmologists who now under court order are compelled to practice in a way declared by the Judicial Council to be not ethical. The Reference Committee offered a revision of the wording of the section of the code, but it was lost by an impassioned argument of the Chairman of the Judicial

(Continued on Page 702)

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most potent antihistamine  
available, allows the physician  
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**Chlor-Trimeton\***  
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*Schering*

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# **Chlor-Trimeton**



(Continued from Page 700)

Council, who stated his duty was not to make the law but to interpret it. He certainly influenced the making of the law this time.

John W. Cline, M.D., of California was installed as President. He addressed the assembled packed Auditorium, and by radio the whole nation. He stressed the efforts of the American Medical Association and its component societies to assure a distribution of medical care to the whole people. He told of past accomplishments in health, economics, prepaid insurance programs, better medical education, and the efforts to maintain the independence of our schools.

The new President-elect is Louis H. Bauer, M.D., of Hempstead, N. Y.

Several Michigan doctors took active parts in the Scientific Session of the one hundredth annual session. J. Milton Robb of Detroit was Chairman of the Section on Laryngology, Otology and Rhinology. Frank L. Hartman, M.D., Detroit, read a paper, "Tissue Changes Following the use of Plasma Substitutes"; Coleman Mopper, M.D., Hamtramck, a paper, "Primary Sarcoma of the Skin"; J. Milton Robb, M.D., the Chairman's address, "Are You an Otolaryngologist?"; Jonas S. Friedenwald, M.D., Baltimore, and V. Everett Kinsey, M.D., Detroit, a paper, "Influence of Adrenalectomy on the Rate of Flow of the Aqueous Humor in Rabbits"; Ivan F. Duff, M.D., Harold F. Falls, M.D., and James W. Linman, M.D., Ann Arbor, "Anticoagulant Therapy in Occlusive Vascular Retinal Disease"; Carl E. Badgley, M.D., and Sylvester J. O'Connor, M.D., Ann Arbor, "Conservative Treatment of Tibial Fracture"; Leonard E. Himler, M.D., Ann Arbor, "Psychic Aspects of Aging"; Clarence E. Velz, M.D., Ann Arbor, "Public Health and statistical Aspects of Aging"; Fred J. Hodges, M.D., and Howard C. MacMillan, M.D., "Important Clinical Dividends from X-Ray Examinations of the Colon"; D. Emerick Szilagyl, M.D., Rajka R. Margulis, M.D., and Roy D. McClure, M.D., "Pituitary Adrenocorticotrophic Hormone (ACTH) and Cortisone in the Management of Postoperative Complications and Related Problems," discussed by Frederick A. Collier, M.D., Ann Arbor; J. K. Ormond, M.D., and Philip W. Fairey, M.D., Detroit, "Rupture of the Urethra at the Apex of the Prostate"; Kent A. Alcorn, M.D., and Marshall

W. Alcorn, M.D., Bay City, "Treatment of Benign Prostatic Hypertrophy: Evaluation of the Transurethral, Perineal and Retropubic Methods."

The following Michigan physicians discussed papers: David J. Sandweiss, M.D., Detroit, discussed a paper by Benjamin M. Bernstein, Brooklyn, "Acidity: Is It Related to Ulcer Syndrome?"; Stephen E. Gurdjian, M.D., Detroit, discussed a paper by Michael M. Scott, M.D., Philadelphia, "Cerebral Apoplexy Due to Intracranial Hemorrhage: The Life-Saving Value of Surgical Intervention"; H. Saul Sugar, M.D., Detroit, discussed a paper by Solomon S. Bray, M.D., and H. Peter Kirber, M.D., Philadelphia, "Mass Screening for Glaucoma."

## CONFERENCE OF PRESIDENTS

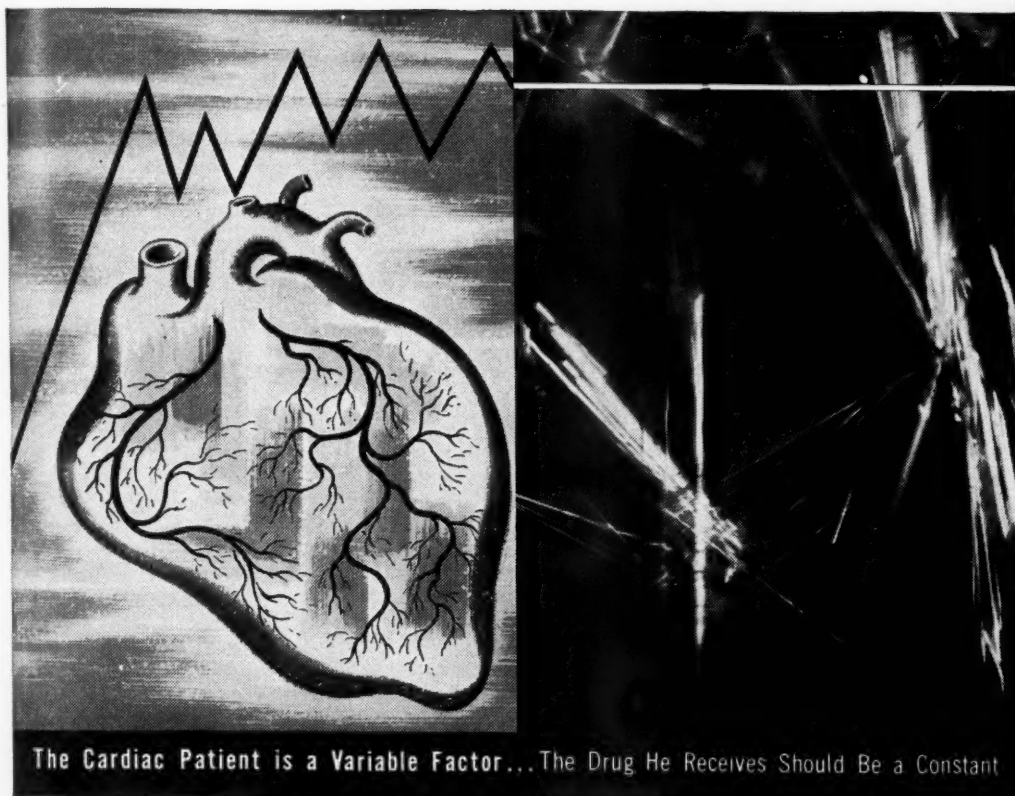
The seventh Annual Conference of Presidents and other officers of State Medical Societies was held at Hotel Traymore, Atlantic City, June 10, 1951. This is the Conference initiated by Andrew S. Brunk, M.D., while President of the Michigan State Medical Society. At this meeting there were four outstanding discussions. W. A. Bunten, M.D., of Cheyenne, Wyoming, the incoming President gave a review of the accomplishments of medicine from the standpoint of the physician. He recounted many activities including sponsorship of prepayment plans by which our patients may be helped to tide over catastrophic illnesses and provide means of adequate care. He called attention to the prolongation of life and increased health due to independent and self controlled practice—the American Way.

Edwin F. Abels, of Lawrence, Kansas, editor of the *Lawrence Outlook* and Past President of the National Editorial Association, complimented the profession very highly for a very unusual and tremendously important defence of American liberty when they stepped unexpectedly into the fight to socialize our economy, which fight was being aimed at the time at the medical profession on the assumption that it was more vulnerable than other points which could be attacked. He said someone must spark the fight for voluntary and independent American life, but the journalists were not only surprised but well pleased. He called attention to the many thousands of supporting ads which

(Continued on Page 708)

Photomicrograph (dark field) from a routine production batch of PURODIGIN

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# You and Your Business

MICHIGAN STATE MEDICAL SOCIETY ANNUAL SESSION  
GRAND RAPIDS—September 26-27-28, 1951

## MEDICAL MEETINGS AND CLINIC DAYS

A list of known medical meetings and clinic days, sponsored by county medical societies and other physicians' groups in Michigan, follows:

### 1951

Sept. 26-27-28	MICHIGAN STATE MEDICAL SOCIETY ANNUAL SESSION Grand Rapids
October 12	Third Michigan Cancer Conference East Lansing
Autumn	MSMS Postgraduate Extramural Courses ..... State-wide
Oct. or Nov.	American Academy of General Practice of Wayne County Clinic ..... Detroit
November 7	Clara Elizabeth Fund Lectures (sponsored by Genesee County Medical Society and the Clara Elizabeth Fund for Maternal Health) ..... Flint
Nov. 7-8	American Academy of General Practice of Michigan—Postgraduate Lectures and Demonstrations ..... Detroit

### 1952

March 12-13-14	MICHIGAN POSTGRADUATE CLINICAL INSTITUTE ..... Detroit
Spring	MSMS Postgraduate Extramural Courses ..... State-wide
April	Third Michigan Industrial Health Day Not decided
April 9	Genesee County Medical Society's Cancer Day ..... Flint
April	Highland Park Physicians Club Clinic Highland Park
May 1	Ingham County Medical Society's Clinic Day ..... Lansing
May	Wayne University College of Medicine Alumni Association Clinic Day and Reunion ..... Detroit
May 15	Jackson County Medical Society's Clinic Day ..... Jackson
Sept. 24-25-26	MICHIGAN STATE MEDICAL SOCIETY ANNUAL SESSION Detroit
Autumn	MSMS Postgraduate Extramural Courses ..... State-wide

Additions to this list of meetings are invited by the Editor of JMSMS, in order to make this monthly announcement complete and accurate.

## HIGHLIGHTS OF EXECUTIVE COMMITTEE OF THE COUNCIL

### Meeting of May 17, 1951

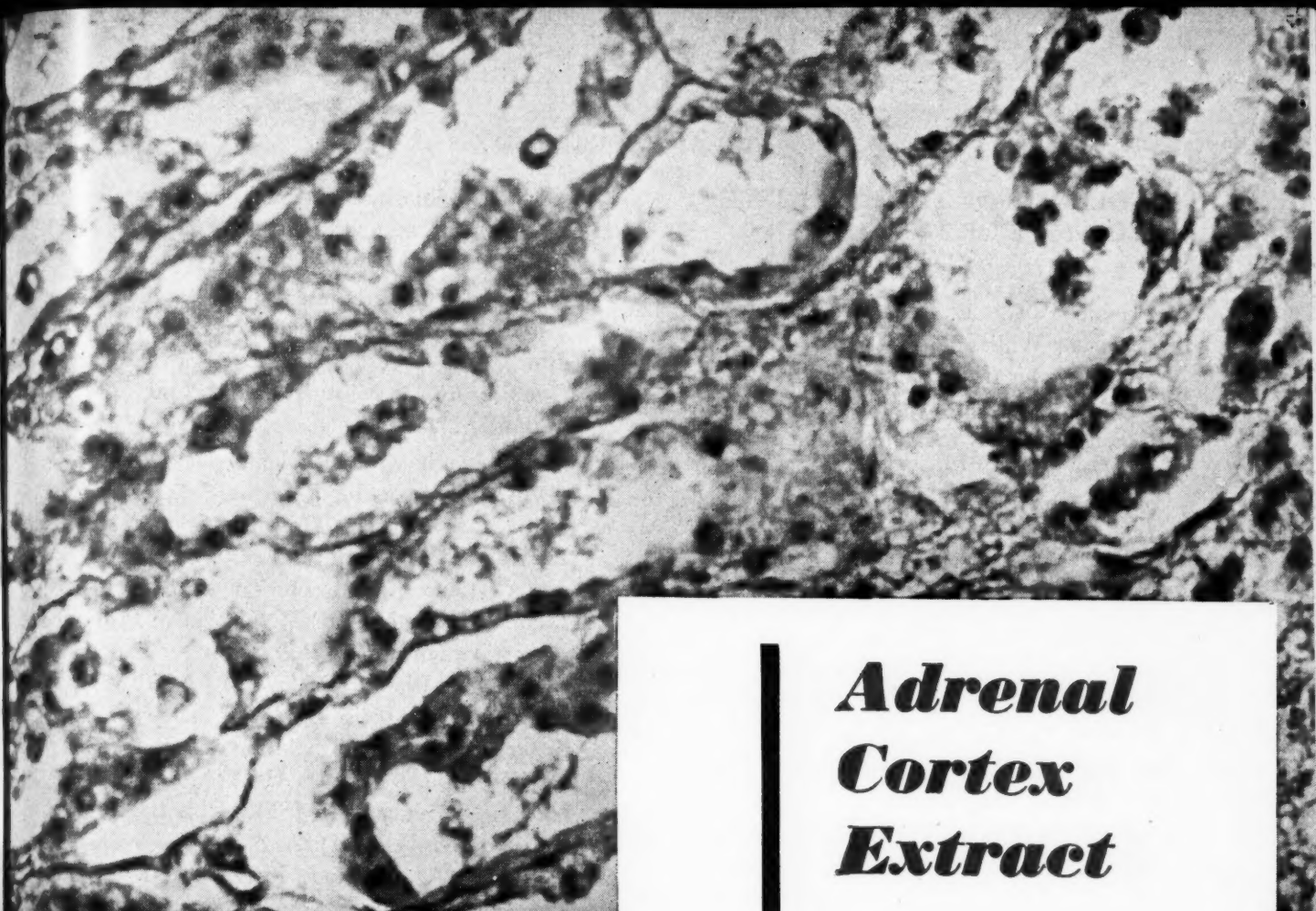
Sixty-six items were considered by the Executive Committee of The Council at its May 17 meeting, an eleven-hour session. Chief in importance were:

- Monthly financial reports were studied and approved. Bills payable were inspected and authorized to be paid.
- Purchase of property at 606 Townsend Avenue, Lansing, for MSMS Executive Offices: the Legal Counsel reported correspondence with the realty company and conversations with the attorney for the Monroe Estate. The transaction can be completed when possession is given—about July 10.
- Nominations for membership on the Michigan State Board of Registration in Medicine, as required by law, were made and ordered sent to the Secretary of State, with copy to the Governor.
- Resolution requesting AMA to consider a more efficient and shortened type of insurance reporting form in collaboration with insurance companies of America, was approved and referred to Michigan Delegates to AMA House of Delegates.
- Letter of commendation was ordered sent to Paul de Kruif for his enlightening article "Your Doctor for a Friend" published in the April, 1951, *Reader's Digest*.
- Recommendation that temporary licenses be granted to those who seek residencies, until they enter practice, was approved and referred to Michigan State Board of Registration in Medicine.
- Resolution drafted by Kalamazoo Academy of Medicine re need for more Doctors of Medicine was presented. MSMS is in full accord with all efforts to increase the capacity of the two Michigan medical schools to the end that Michigan may be supplied with more physicians; this information is to be imparted to the Kalamazoo Academy of Medicine.

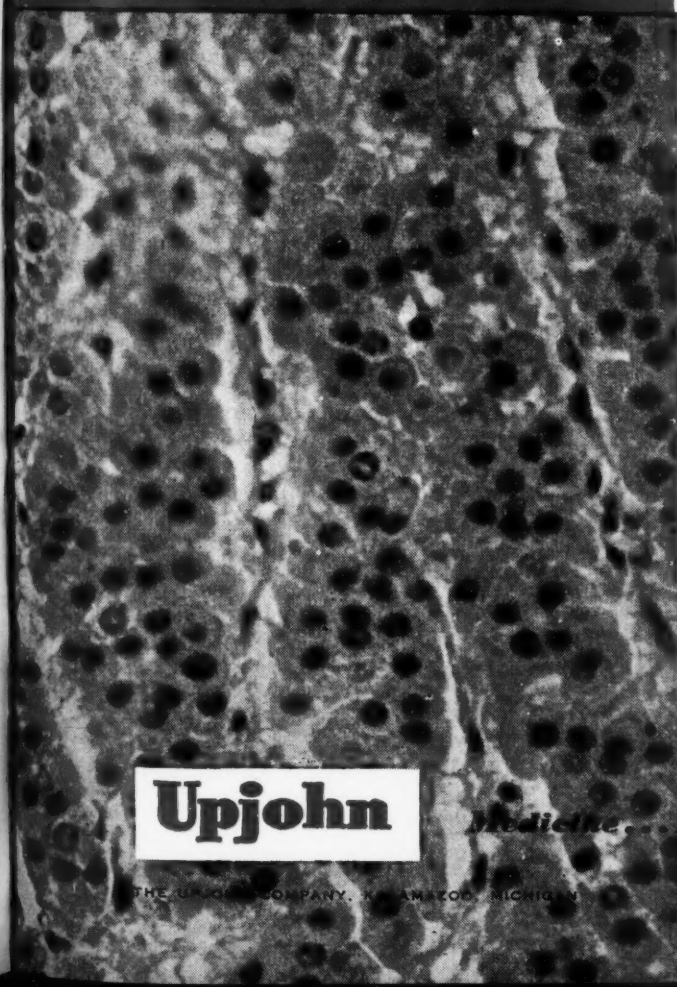
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# HIGHLIGHTS OF THE EXECUTIVE COMMITTEE OF THE COUNCIL

(Continued from Page 704)

- President C. E. Umphrey reported that Governor Williams had appointed an osteopath to the Michigan Crippled Children Commission—despite the fact that osteopaths do not have the right to treat indigent crippled and afflicted children who are wards of the State. (The State Senate Committee on Business and Rules, on May 25, rejected this appointment.)
- A letter was read from Dr. Gordon H. Scott, Dean of Wayne University College of Medicine, expressing gratitude to Messrs. Wm. J. Burns, H. W. Brennenman, S. A. Campbell, and D. E. Ford for efforts in connection with obtaining favorable action for a new Medical Science Building for Wayne University College of Medicine.
- The President read a letter from Governor Williams stating he planned to reappoint A. E. Heustis, M.D., as Michigan Health Commissioner.
- Letter was read from Medical Exhibitors Association expressing thanks to the MSMS Officers for valuable help and suggestions in the past and at the present time.
- Irvin W. Sander, M.D., Detroit, was appointed as MSMS representative to the Third National Conference on Physicians and Schools, to be held by AMA in Chicago next autumn.
- Resolution re the late U. S. Senator Arthur H. Vandenberg was read, approved, and ordered sent in printed form to the family of this great statesman.
- MSMS Annual Session, September 26-28, 1951. Discussion Conference Leaders and Assembly Chairmen and Secretaries were selected; W. B. Mitchell, M.D., Grand Rapids, was appointed Chairman of the Committee on Scientific Exhibit; a \$25 registration fee was ordered charged to non-MSMS members (except residents, interns, and the usual guests). Dates for future MSMS Annual Sessions (1952 to 1958) were selected.
- 1952 Michigan Postgraduate Clinical Institute. E. F. Sladek, M.D., Traverse City, was chosen as Chairman. Registration fee of \$25 for non-MSMS members was ordered (except residents, interns, and the usual guests).
- Co-sponsorship by MSMS of Fourth Conference on Aging, to be held in Ann Arbor, July 11-13, was authorized.
- Official MSMS representatives to meeting of Upper Peninsula Medical Society, Marquette, June 22-23, were appointed. A Press Relations Conference in Marquette on June 21 was authorized.
- Joint meeting with Michigan's Delegates to the AMA. The following items were discussed: (a) Two resolutions re Hospital Standardization Program; (b) Resolution re payment of 1950 AMA Dues; (c) Resolution re Short Lived Income of Doctors; (d) Resolution re Insurance Reporting Form; (e) Resolution re Pioneers of Blue Cross-Blue Shield; (f) Ohio S.M.A. Resolution re Abolishing AMA Fellowship; (g) Nebraska S.M.A. Resolution re Too Many Medical Meetings; (h) AMA Associate Membership—to include MSMS Emeritus, Life, Retired Members; (i) Associate Fellowship in AMA for A. J. Baker, M.D., Grand Rapids, and Wilfrid Haughey, M.D., Battle Creek.
- The overlapping of postgraduate programs of Michigan and Wisconsin, especially in the Menominee-Marquette area was discussed. Recommendation was made to the MSMS Postgraduate Medical Education Committee that the two postgraduate teaching programs be integrated wherever possible.
- "Blue Cross-Blue Shield Month" (September, 1951) was outlined by R. L. Novy, M.D., Detroit, President of Michigan Medical Service. The Executive Committee voted to co-operate in the plan as outlined.
- Report of the Governor's Committee on Increase in Number of Medical Graduates from Michigan's two medical schools was explained by Secretary L. Fernald Foster, Chairman of this Committee. Commendation was expressed to the Committee by the Executive Committee.
- Monthly reports of Rheumatic Fever Coordinator and of Public Relations Counsel were presented.
- Committee Reports. The following committee reports were given consideration: (a) Infectious Diarrhea, meeting of April 25; (b) Medical Procurement, April 25; (c) Rural Medical Service, April 26; (d) Rheumatic Fever Control, May 2; (e) Cancer Control, May

(Continued on Page 708)



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\*Fry, C. O.: J. Am. M. Women's A. 4:51 (Feb.) 1949

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## HIGHLIGHTS OF THE EXECUTIVE COMMITTEE OF THE COUNCIL

(Continued from Page 706)

3; (f) Special Committee to Study Insurance Reporting Forms, May 5; (g) Committee on Distribution of Medical Care, May 10; (h) Venereal Disease Control, May 13; (i) Study of Basic Science Act, February 15 (revised report).

## OSTEOPATH APPOINTEE NOT CONFIRMED

Confirmation of Governor Williams' appointment of Emmett Binkert, Osteopath, to the Michigan Crippled Children's Commission was rejected by the Senate Business and Rules Committee, as per its report of May 25, 1951. It is reported that the Committee's action was representative of the majority opinion of the Senate that an osteopath should not be placed on the Commission.

## RHEUMATIC FEVER CONTROL CENTERS IN MICHIGAN

Alpena	Harold Kessler, M.D., Chairman Alpena General Hospital
Ann Arbor	H. H. Riecker, M.D., Chairman St. Joseph Mercy Hospital
Bay City	L. Fernald Foster, M.D., Chairman Mercy Hospital
Detroit	Saul Rosenzweig, M.D., Chairman 4421 Woodward Avenue
Grand Rapids	Jerome Webber, M.D., Chairman 129, E. Fulton Street
Jackson	Frank Van Schoick, M.D., Chairman W. A. Foote Memorial Hospital
Kalamazoo	H. S. Heersma, M.D., Chairman Bronson Methodist Hospital
Lansing	R. H. Trimby, M.D., Chairman 2020 Olds Tower Bldg.
Marquette	Moses Cooperstock, M.D., Chairman Northern Michigan Children's Clinic
Muskegon	DeVere R. Boyd, M.D., Chairman 1735 Peck Street
Pontiac	Donald S. Smith, M.D., Chairman Pontiac General Hospital
Saginaw	David P. Gage, M.D., Chairman 27 Jarvis Yawkey Court 217 S. Jefferson St.
Traverse City	Mark F. Osterlin, M.D., Chairman Central Michigan Children's Hospital

## CONFERENCE OF PRESIDENTS

(Continued from Page 702)

were printed and hoped the program would not be abated.

Most Reverend John J. Wright, Roman Catholic Bishop of the Diocese of Worcester, Massachusetts, is a well-trained and fluent public speaker. He talked about "A Clergyman Views Medicine," and gave a thought-provoking address, calling attention to the moral aspect of medicine as well as the scientific. He idealized the work of the profession, but warned against insincerity.

Senator Richard M. Nixon of Whittier, California, followed with one of his brilliant speeches. He credited the medical profession with very effective political action against the adoption of compulsory national health legislation. He complimented the profession on past success, but warned that the majority of the members of the profession must take political cognizance of other problems than just the attack on our own mode of life. He said they owe a duty to the country to take an active interest in politics regardless of whether they feel the interests in a campaign directly concerns their own livelihood.

He warned that while "the compulsory health insurance program appears to have been soundly defeated at this time, the medical profession should not sit back and adopt a smug, complacent attitude. Those who advocate such programs," he told them, "have not given up and will continue to work fanatically for their adoption."

Warning that the profession should "recognize that a good offense is the best defense" against such proposals, Nixon said "a change in the political climate might bring a swing to the left and if that should happen the demand for government control of the medical profession will again become a serious threat."

He lauded the program of the AMA to render financial assistance to the nation's medical schools as a "step in the right direction."

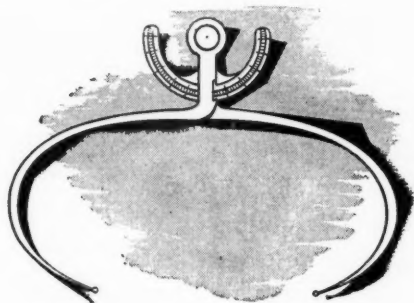
"Encouragement of voluntary health and insurance programs and provisions for medical and hospital facilities in areas not adequately serviced at present," the Senator said, "are other fields where constructive action is needed."

**BLUE CROSS-BLUE SHIELD MONTH  
SEPTEMBER, 1951**

Effective against many bacterial and rickettsial infections,  
as well as certain protozoal and large viral diseases.

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# Frank Wilson Granted Gold Heart Award



Frank N. Wilson, M.D.

Frank N. Wilson, M.D., Professor of Medicine at the University of Michigan, who is considered one of the nation's foremost exponents of the rational understanding of the electrocardiogram, received the Gold Heart Award of the American Heart Association at the annual meeting of the Association held in Atlantic City on June 9. Louis N. Katz, M.D., newly designated President of the American Heart Association, presented the award to Dr. Wilson for his outstanding contributions in the field of cardiovascular diseases.

Dr. Katz declared that Dr. Wilson "is to be ranked with William Einthoven and Sir Thomas Lewis" as a major contributor to the development of the field of electrocardiography. "His theoretical development of this subject," he said, "is properly considered the finest single intellectual achievement of modern times in the entire cardiovascular field." Dr. Wilson's experimental and clinical investigations formed the main background upon which rested the electrocardiographic diagnosis of myocardial infarction. He developed the new method now widely used for taking leads with the central terminal and is, as much as anyone, responsible for the introduction of the use of precordial leads.

Dr. Wilson has contributed to the literature of electrocardiography some hundred or more articles. Physicians from all parts of the world have visited Dr. Wilson at his laboratory and his home in Stockbridge, Michigan. Dr. Wilson himself has lectured throughout this country and abroad, both in Europe and in Latin America. He has received many honors here and abroad. He is a member of various Latin American medical and cardiological societies and is an honorary member of the Cardiac Society of Great Britain and Ireland. He has been a member of the American Heart Association for many years and he has served as a member of the Michigan Heart Association since its inception in 1949. His eminent place in cardiovascular science has already been recognized by the American Heart

Association when last summer a special number of its journal, *Circulation*, was issued in his honor.

In addition to Dr. Wilson, the following delegates from the Michigan Heart Association attended the annual meeting: Mrs. Hugh Wilson and Paul Barker, M.D., of Ann Arbor; Cecil Corley, M.D., Jackson; Leon DeVel, M.D., Grand Rapids; Carleton Dean, M.D., Lansing; and Detroiters Douglas Donald, M.D., President of the Michigan Heart Association; F. Janney Smith, M.D.; Warren B. Cooksey, M.D.; F. D. Dodrill, M.D.; and John G. Bielawski, M.D., Executive Secretary of the Michigan Heart Association.

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## MEDICAL SCHOOLS FROZEN?

Repeated statements emanating from the group who would socialize medicine are to the effect: "*That Medical Schools are not expanding their facilities on the assumption that increased numbers of physicians are not needed!*"

*The Actual Facts.*—In the past five years two completely new medical schools (Southwestern in Dallas, and the University of Washington in Seattle) have been established; two two-year schools have expanded to four-year schools (University of Alabama in Birmingham, University of Utah in Salt Lake City) one older college has been approved and admitted to the Association of American Medical Colleges membership (Chicago Medical School); the State University of New York has taken over and expanded two medical schools (Syracuse and Long Island).

Extensive medical school building programs were completed or gotten under way in 1950 at the following medical schools: Alabama, Albany, California at San Francisco, Cincinnati, Emory, Minnesota, North Carolina, North Dakota, Pennsylvania, Pittsburgh, Rochester, and the University of Washington in Seattle.

Construction of new or additional clinical facilities were made in 1950 at: University of California, Colorado, Illinois, Indiana, Maryland, Michigan, New York University, Ohio State, Oklahoma, Oregon, Pennsylvania, Pittsburgh, Vermont, Washington University at St. Louis.

Money is appropriated and extensive construction planned at: Arkansas, California at Los Angeles, Colorado, George Washington, Indiana, Mississippi, Oregon, Pittsburgh, South Carolina, South Dakota, Southern California, Stritch, Temple, Tulane, Virginia, Woman's Medical.—*Michigan Health Council Bulletin*, May, 1951.



# MORE HOURS of Allergy Relief...

8 to 24 from  
a single dose

Look in the file of clinical reports on antihistaminics and it will be apparent that one is outstanding for prolonged action. It is DI-PARALENE Hydrochloride (Chlorcyclizine Hydrochloride, Abbott), a "different" antihistaminic with a piperazine side chain rather than one of the conventional types.

Numerous clinical reports attest to the longer lasting allergy relief with DI-PARALENE. In many cases relief up to 24 hours can be obtained from a single dose. Initially, DI-PARALENE should be administered in 50-mg. doses three times a day for the average adult, but in the majority of cases this dosage can later be reduced to one or two doses a day. One 50-mg. tablet at bedtime often provides symptomatic relief through the night. Frequently, no additional dosage is required until the next bedtime. Undesirable side-effects are comparatively few and mild.

This season try longer-acting DI-PARALENE in your allergy cases. Available at prescription pharmacies in 50-mg. and 25-mg. tablets in bottles of 100 and 500. **Abbott**

*Specify*

Abbott's new long-acting  
antihistaminic



**REFERENCES:** Spielman, A. D. (1950), N. Y. St. J. Med., 50:2297, Oct. 1. Brown, E. A., et al. (1950), Ann. Allergy, 8:32, Jan.-Feb. Jenkins, C. M. (1950), J. Nat. Med. Assn., 42:293, Sept. Cullick, Louise, and Ogden, H. D. (1950), South. Med. J., 43:632, July. Ehrlich, N. J., and Kaplan, M. A. (1950), Ann. Allergy, 8:682, Sept.-Oct.

# Two TV and Twenty-Six Radio Shows Feature Michigan Medicine

Hopalong Cassidy and Howdy Doody have captured Michigan small fry viewers, but their parents have a new TV hero—the Doctor of Medicine.

Television has created the opportunity for the layman to gain a knowledge of medicine in a graphic and understandable form. And the Doctors of Medicine in the Michigan State Medical Society have responded by giving their time to satisfy this public craving for information.

## WXYZ-TV

Two television stations in Detroit now offer their facilities to the medical profession. WXYZ-TV (Channel 7) is the most recent station beaming MSMS programs to a potential audience of 2,000,000.

Over this station each Wednesday at 10:00 A.M., Bud Lanker, *Detroit Free Press* writer, devotes a half-hour of his show, "Hello Girls," to the story of medical knowledge. The MSMS portion of the production, which began June 27, is called the "Medical Mailbox."

The first WXYZ-TV medical show, directed at the 400,000 television sets in the Detroit area, had Arch Walls, M.D., President of the Wayne County Medical Society, as opening guest. Dr. Walls discussed the importance of having a family doctor.

Each week other Doctors of Medicine will appear on this television program to present professional topics interesting to the public. Questions submitted by viewers are answered by the guest physicians during the final few minutes of the show.

## WJBK-TV

The popular, "It's Your Life," is televised every Sunday noon on WJBK-TV (Channel 2). It is continuing on a sustaining basis during the summer months through the courtesy of WJBK-TV and Richard Jones, station manager.

The program began December 17 and was sponsored by the Medical Arts Pharmacy, of Detroit. While the show went on a sustaining basis May 20, Howard Mordue, president of the Medical

Arts Pharmacy, plans to sponsor this medical production again in September.

Through the winter months, Jack Pickering, science reporter for the *Detroit Times*, acted as moderator and questioned the guests appearing on the show.

In addition to a panel of medical experts, motion pictures are screened during the program to give the audience visual information on the topic under discussion. "It's Your Life" occupies an excellent position on the April Hooper Video rating. This rating, used in both radio and television, is the yardstick which determines public response to a show. According to the rating, 50 per cent of the persons watching television Sunday noon are watching "It's Your Life."

## Response Proves Popularity

Letters from the vast audience in Detroit and surrounding area are another measure of the program's popularity. When the topic was on prenatal care, at least 150 letters were written by viewers requesting the pamphlet offered on that April 29 show. One hundred letters poured in the week a pamphlet was offered during the April 15 production on plastic surgery.

After watching the plastic surgery presentation, one man was moved to write:

"If the cost is not prohibitive to me, and I can get the parents' consent, I would like to sponsor a plastic operation for a little girl."

Persons with real or imagined facial defects received new hope after watching this show. The comment of one woman was typical:

"I watched your program with great interest today. . . . I am kidded and teased about my big nose. Please . . . advise me . . . what to do. I think your program is wonderful and will be a great morale builder to a lot of folks. . . ."

In subsequent weeks, others sent in letters requesting additional, and oftentimes private, information on the current TV discussion of "It's Your

(Continued on Page 714)

What cigarette  
do you smoke?



Make your own 30-Day Camel Mildness  
Test in your own "T-Zone"—that's T  
for Throat, T for Taste. See if you  
don't change to Camels for keeps.

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Winston-Salem, N. C.

More People smoke Camels  
THAN ANY OTHER CIGARETTE

# TV AND RADIO SHOWS FEATURE MICHIGAN MEDICINE

(Continued from Page 712)

Life." All the letters are proof that the public seeks facts on medical topics.

## Twenty-Six Radio Outlets

And in radio the medical message is broadcast on the "Tell Me, Doctor" series which is carried by 26 radio stations in Michigan. The Michigan series, which recently added a second voice, is also broadcast by stations in Oklahoma, North Carolina and Florida.

In another field of public relations, the groundwork is being prepared now to tell the story of "MSMS Firsts," which may be adapted for radio and television later. John B. Kantner, associate public relations counsel of MSMS, will write the articles on Michigan Firsts for THE JOURNAL.

Number One in the series will be the Story of the Hillsdale Plan for Cancer Detection. It will appear shortly. Since human interest stories, concerning Michigan Firsts, are necessary to add dramatic interest, Doctors of Medicine are asked to relay any such anecdotes to the MSMS executive offices in Lansing. Please direct your favorite stories to the attention of the Public Relations Department.

The human interest yarns are sought at present from those Doctors of Medicine taking part in the Hillsdale Plan throughout the state. But any story which may tell the story of Michigan medicine is welcome.

Medical men play a vital role in their community. Within that limited area they are more

(Continued on Page 743)

## "IT'S YOUR LIFE"

### The Michigan State Medical Society Television Show

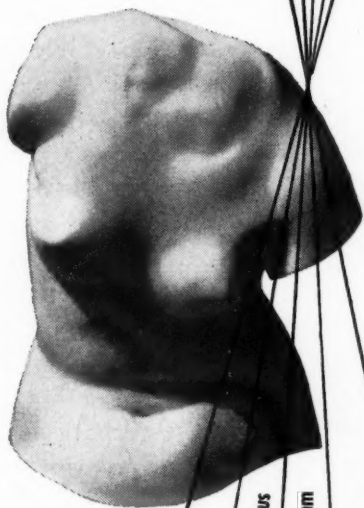
Presented Each Sunday at 12:00 Noon

WJBK-TV (Chanel 2) Detroit

Participants	Topic	Date
W. B. Cooksey, M.D., Detroit	Heart	December 17, 1950
George Thosteson, M.D., Detroit	Diabetes	December 24, 1950
F. J. Hodges, M.D., Ann Arbor	Cancer	December 31, 1950
Carleton Dean, M.D., Lansing	Amputees	January 7, 1951
Arch Walls, M.D., Detroit	Family Doctor	January 14, 1951
A. H. Whittaker, M.D. Detroit }	Industrial Health	January 21, 1951
E. F. Lutz, M.D., Detroit }	Legal Medicine	January 28, 1951
LeMoyne, Snyder, M.D., Lansing	Goiter Areas	February 4, 1951
W. S. Reveno, M.D., Detroit	Epilepsy	February 11, 1951
H. B. Zemmer, M.D., Lapeer	Skin Diseases	February 18, 1951
A. E. Schiller, M.D., Detroit	Crippled Children	February 25, 1951
Mr. Emmet Richards, Alpena }	History of Medicine	March 4, 1951
Frank Van Schoick, M.D., Jackson }	Arthritis	March 11, 1951
L. Fernald Foster, M.D., Bay City	Relationship Between	March 18, 1951
J. J. Lightbody, M.D., Detroit	Pharmacist & Physician	March 25, 1951
E. G. Merritt, M.D., Detroit	Doctor's Training	
Dean C. H. Stocking, Ann Arbor }		
A. C. Furstenberg, M.D., Ann Arbor }		
Gordon H. Scott, Ph.D., Detroit }		
R. W. Teed, M.D., Ann Arbor }		
J. S. DeTar, M.D., Milan }		
Mrs. Marjorie Karker, Lansing }		
Mr. E. H. Wiard, Lansing }		
Mr. H. W. Brenneman, Lansing }		
J. G. Bielawski, M.D., Detroit	What the Health Council	April 1, 1951
Claire L. Straith, M.D., Detroit	Could Do For You	
Ralph Pino, M.D., Detroit	Cardiac Housewife	April 8, 1951
R. K. Whiteley, M.D., Detroit	Plastic Surgery	April 15, 1951
J. G. Molner, M.D., Detroit	Cataract	April 22, 1951
Raymond W. Waggoner, M.D., Ann Arbor	Pregnancy	April 29, 1951
	Health Dept. of Detroit	May 6, 1951
	Emotional Factors in	May 13, 1951
	Diseases	
A. E. Heustis, M.D., Lansing }	Blood	May 20, 1951
Harland Anderson, Ph.D., Lansing }		
Otto van der Velde, M.D., Holland }		
Ralph Johnson, M.D., Detroit }		
Mr. Palmer Bunker, Lansing }		
Mr. Bennett McCarthy, Detroit }		
Mr. C. F. Van Blankensteyn, Lansing }		
Robert Mason, M.D., Detroit	Vacation Safety	May 27, 1951
B. E. Brush, M.D., Detroit	Pediatrics	June 3, 1951
O. B. McGillicuddy, M.D., Lansing	Iodized Salt	June 10, 1951
	Hearing Defects	June 17, 1951

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Human Milk	.034%	.015%	.041%	.00018%



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**BREMIL** is available in drugstores in 1 lb. cans.

Complete information and a trial supply may be obtained upon request.

1. Gardner, L. I.; MacLachlan, E. A.; Pick, W.; Terry, M. L., and Butler, A. M.: *Pediatrics* 5:228, 1950.

2. Nesbit, H. T.: *Texas State J. M.* 38:551, 1943.

3. May, C. D., et al.: *Bull. Univ. Minnesota Hospitals* 21:208, 1950.

4. Recommended Daily Dietary Allowances, Rev. 1948, Food & Nutrition Board, National Research Council.

# Editorial Comment

MICHIGAN STATE MEDICAL SOCIETY ANNUAL SESSION

GRAND RAPIDS—September 26-27-28, 1951

## LET OUT

Gov. G. Mennen Williams in his wisdom saw fit to relieve me this week as a member of the Michigan Crippled Children Commission. A newspaper man should never hold public office anyhow.

From round the state there have been telephone calls and other messages of commiseration, even vituperation.

A dear friend in Southern Michigan urged that I "take the hide off that guy in your newspaper." Not me. This newspaper is not for personal promotion in any particular, nor for the utterance of any vengeful personal feeling.

As a matter of fact, the governor has let me out of a fairly tough job, charged as it is with the responsibility of expending more than \$3 million of state funds annually.

It isn't just the long day you have to give to the meeting of the Commission once a month; there are daily problems and decisions, the often contentious sessions with the underpaid hospitals, doctors, probate judges, the multitude of individual cases of ailing kids in every part of the state. It took hours on the long distance telephone, often with some guy you never had seen.

It will be good to shuffle off all this load, but it will be a little strange too, after eighteen years as a member of the Commission, the last nine as its chairman, all during the terms of eight governors of the state.

One thing they cannot take away and that I shall carry with me always is the memory of having had ever so little a part in making life better for thousands of children.

I have seen wan faces grow full and the cheeks lightening with color, maimed bodies made able to walk, kids who might have spent their lives in dependency now making their own way, grown and the parents of healthy children of their own.

Thinking like this, you go down on your hunkers every night, say a word of prayer for all afflicted children, utter a fervent Thank God that your

own, thus far, are well and strong, and Dear God may they remain so.

On the Commission I have been associated with some of the finest public servants and gentle people I have known, Paul King and Hugh van de Walker who organized the Michigan Society for Crippled Children thirty years ago, Joe Schnitzler who himself had lost two legs and an arm to osteomyelitis, Mrs. L. J. Bulkley, the impulsive Frank Couzens who hated the bureaucratic red tape with which we had to contend, Dr. Roger Walker, Dr. Harold Fenech, both men of high ethics and medical skill. Then there is George R. Cooke, probably the keenest analyst I have known. Two years ago last winter I told Gov. Williams that if he failed to reappoint Cooke he would be losing one of the finest minds in state government. The governor let him out.

Latterly, there have been Dr. John Birmingham, Martin Fleming, Mrs. Loraine Doyle, all able people.

Tops among them all is Maxwell Reynolds of Marquette. He is a mechanical engineer and why an engineer and I should develop such an affinity is beyond comprehension. He has a mind like George Cooke.

He is the man who did one of the most beautiful things I know, during the terrible polio epidemic in the Upper Peninsula a dozen years ago. Many of the kids had paralysis of the chest muscles and they couldn't get iron lungs to keep them breathing.

Did Max run around wringing his hands? Not Max—he took oil drums and packing cases and made "lungs" of them, commandeered vacuum cleaner motors to operate them, driving vital air into and from the faltering lungs. By this primitive means he kept the breath of life in dozens of kids. There was never greater drama than that.

It was a superb exemplification of the American inventiveness and know-how that leaves Joe Stalin not a Chinaman's chance.

(Continued on Page 748)

# The JOURNAL

of the Michigan State Medical Society

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JULY, 1951

NUMBER 7

## Pharmacological Aspects of Allergic Disease

By Victor A. Drill, Ph.D., M.D.

and

Harry W. Hays, Ph.D.

Detroit, Michigan

IT WAS FORTY years ago that Dale and Laidlow<sup>1</sup> noted the similarity between histamine shock and anaphylactic shock in guinea pigs. In 1927 Lewis<sup>2</sup> postulated that a histamine-like substance was liberated at the site of allergic reaction in man. Histamine was later isolated and found to be a natural constituent of tissue such as liver, lung, muscle and spleen, and it is present in amounts sufficient to account for anaphylactic reactions in tissue. The histamine is normally bound and inactive and is liberated in anaphylactic or injury reactions from the injured cells.<sup>2</sup> However, minor discrepancies still exist regarding the exact similarity between antigen response and histamine effect under certain experimental conditions and clinically in certain allergic conditions that do not respond to the potent histamine-blocking drugs. It is likely that other substances are liberated from the damaged cell along with histamine or in some species of animals in place of histamine.

### Histamine

In reviewing the various drugs used in the treatment of allergic states, it is necessary to keep in

mind the effects of histamine. Histamine has three main actions that may be noted after parenteral administration.

1. *Smooth Muscle*.—Histamine stimulates smooth muscle, including bronchial muscle, small intestine, colon, spleen, vesicle and gall bladder. The stimulating effect of histamine is not uniform, bronchial smooth muscle being most easily affected.

2. *Blood Vessels*.—The primary effect of histamine on blood vessels is dilation of the capillaries. This dilatation is a direct effect that is not blocked by atropine. The arterioles or veins may be constricted or dilated, depending on the species studied. In man both the capillaries and arterioles are dilated, a hypotension resulting. The capillary dilatation leads to local accumulation of fluid and accounts for part of the action of histamine in certain allergies.

3. *Glands*.—Histamine stimulates many glands, including the lacrimal, salivary, bronchial, pancreatic and gastric glands. The adrenal gland is also stimulated to release epinephrine and the secondary rise in blood pressure following histamine administration in the cat may be eliminated by adrenalectomy.

Various attempts have been made to assign a physiological role to the histamine present in the body. Normal functions have been suggested but not proven. It is possible that histamine may play a role in the production of functional hyperemia.<sup>1</sup> In such studies contraction of voluntary muscle in dogs, produced by various means, was accompanied by the appearance of histamine in the venous blood of the muscle throughout the period of induced hyperemia. However, carbon dioxide is also liberated by contracting muscle, and it remains to be shown if this is related to the release

Presented at the Symposium on Modern Concepts of Allergic Disease, Wayne University College of Medicine and Allergy Clinic of Receiving Hospital, Detroit, November 28, 1950.

Dr. Drill is professor of pharmacology, Wayne University College of Medicine.

Dr. Hays is associate professor of pharmacology, Wayne University College of Medicine.

JULY, 1951

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of histamine. There have been other attempts to involve the oxytocic effect of histamine in parturition but without success. It would seem likely that histamine has as yet some undefined role in normal body economy rather than to be present as only an injurious material.

### Antihistaminic Drugs

It was noted in 1932 that certain compounds exerted a weak blocking effect against some of the actions of histamine. With this lead various compounds were synthesized in attempts to develop more potent histamine blocking agents. This led to the development of materials that would block many lethal doses of histamine in the experimental animal and to the development of such well-known compounds as Benadryl and Pyribenzamine, to which have been added a host of other chemicals capable of blocking histamine. Although chemically most of the antihistamines are derivatives of ethylenediamine or ethanolamine, some highly effective compounds available for clinical use are unrelated to these basic structures.

In general, the antihistaminic drugs available counteract the numerous effects of histamine, such as (1) the hypotension produced by intravenous histamine; (2) the constriction of smooth muscle produced by histamine, particularly bronchioles and intestines; (3) histamine induced salivation; (4) the dilation of capillaries or wheal formation produced by the local injection of histamine.

The increased gastric secretion and hyperchlorhydria induced by histamine is not blocked by the known antihistaminic agents. In fact, although one antihistamine will protect guinea pigs from over 1,000 lethal doses of histamine, the animals eventually die from gastric ulcers and perforations.<sup>6</sup>

The antihistaminic drugs will also block or depress most of the allergic reactions that can be produced experimentally, leading, of course, to the earlier clinical trial of these materials in allergic states.

*Other Actions of Antihistaminic Drugs.*—Although these agents are effective chiefly in blocking histamine and in counteracting allergic reactions, they also have other properties of pharmacological interest.

1. Some of the drugs have a weak atropine-like action and can prevent the usual effects of acetylcholine on secretion, blood pressure or smooth muscle.

2. Certain of these drugs can stimulate the smooth muscle of the intestine.

3. Some of the antihistaminic agents will potentiate or prolong the pressor response to epinephrine in the experimental animal. This effect is not related to the atropine-like action or antihistaminic effects of the compounds.

4. The pressor response to epinephrine may be diminished by an agent such as thephorin.

5. Some new compounds with antihistaminic potency will also produce an adrenergic blockade similar to that seen with dibenamine.

These effects of the various agents tend to be minor and are not related to the antihistaminic potency of the compounds. The antihistaminic drugs, with the exception of Trimeton and Chlor-Trimeton, also exert a local anesthetic effect equal to or even greater than that possessed by procaine. It is of interest that histamine has been implicated as a chemical mediator for nerves that transmit pain sensation.<sup>10</sup> Thus theoretically the local anesthetic effect of the antihistamines may be due to a block of histamine as related to nerve transmission or to a separate unrelated local anesthetic action. This local anesthetic effect must also be considered in patients with pruritus where the relief obtained may be due either to histamine block or to primary local anesthetic action. However, since Trimeton is devoid of local anesthetic action, it points to a more important role of histamine in this mechanism.

*Absorption and Excretion.*—The antihistaminics are rapidly absorbed following oral administration, giving subjective and objective improvement in twenty to sixty minutes. Relatively few studies have been made on the distribution or excretion of the antihistamine drugs. Data available indicates that they leave the blood stream rapidly and localize in various tissues, particularly the lungs. The drugs disappear fairly rapidly from the tissues, but only a small amount can be recovered in urine. The destruction or inactivation is rapid, since the drugs must be repeated every four to six hours to maintain therapeutic effectiveness.

*Dosage of Antihistamines.*—It is necessary that doses of these compounds be individualized to secure maximal beneficial actions with the least incidence of side effects. The initial dose may be later reduced and still provide optimum control.

# ALLERGIC DISEASE—DRILL AND HAYS

The average oral doses for administration three to four times a day to adults are shown in Table I.

The dosage range of Trimeton and Chlor-Trimeton for children has not been established. The other antihistaminics may be administered to children in divided doses, in a total daily amount of 2 or 3 mg. per pound of body weight. Subcutaneously most of these agents are irritating and do not offer advantages over oral administration. Intravenous injections are being studied, but if used they require a very slow injection. Doses with Benadryl and Histadyl have ranged from 10 to 50 mg. Nasal sprays have been used in patients with nasal allergy and seem to be less irritating than administration as nose drops. Creams and ointments are available for more specialized local uses.

*Side Effects of Antihistamine Therapy.*—The most common reactions occurring in 10 to 40 per cent of patients treated are drowsiness, dizziness, and dryness of the mouth. Many patients, however, can get satisfactory allergic relief without drowsiness, but as the doses of the various drugs are increased, the increase of drowsiness tends to rise. The sedation may be corrected in part by the use of ephedrine, desoxyephedrine or dextro-amphetamine, but it is not always simple to balance sedation with a central nervous system stimulating drug. There are various estimations of the instance of drowsiness in the literature but which are poorly controlled from the standpoint of placebos. Placebos alone in one report will produce drowsiness in 18 per cent of the patients. Other toxic effects may be noted, such as headache, gastrointestinal disturbances, nervousness, tremors, weakness and insomnia. Excitatory reactions are more common in children than in adults. The production of dermatitis by these compounds has been encountered in only a few instances. More toxic reactions, particularly those on the hemato-poietic system, have been reported with the more prolonged use of these compounds. Agranulocytosis and hemolytic anemia have occurred following average doses of the various antihistamines. The blood picture has so far rapidly returned to normal after discontinuing use of the drugs. Deaths have been reported, particularly in infants and children following doses of 100 mg. or more of antihistaminic drugs. The usual picture is that of depression (which may be absent) rapidly followed by convulsions, high fever, unconsciousness

TABLE I

Compound	Average Dose mg.	Dose Range mg.
Antistine .....	100	50-100
Benadryl .....	50	25-100
Chlorothen .....	50	25-100
Chlor-Trimeton .....	4	2-4
Decapryn .....	25	25-50
Diatrin .....	50	25-100
Histadyl .....	50	25-100
Neoantergan .....	50	25-100
Neohetramine .....	100	50-100
Perazil .....	50	25-200
Pyribenzamine .....	50	25-100
Pyrrolazote .....	50	25-75
Tagathen .....	50	25-100
Thenylene .....	50	25-100
Thephorin .....	25	25-50
Trimeton .....	25	12.5-25

and death. Treatment of antihistamine poisoning is supportive, no specific antidote being available.

## Amines in Allergic Disorders

It is well known that epinephrine and ephedrine are of value in combating various allergic diseases. These sympathomimetic amines serve as pharmacological antagonists to histamine; that is, they produce the opposite effects of histamine in the body. Epinephrine tends to counteract histamine by its strong bronchodilator activity, its vasoconstriction and a decreased capillary permeability. However, when animals are given lethal doses of histamine, epinephrine offers only partial protection, whereas the antihistaminic drugs can give complete protection. Although epinephrine is a strong bronchodilator, it fails experimentally to relieve bronchiolar constriction produced by large doses of histamine, except in amounts so large that symptoms of epinephrine toxicity are produced. Conversely, as pointed out above, the antihistamine action of the newer compounds cannot be explained on the basis of sympathomimetic activity. Further, the antihistamine drugs do not relax bronchial smooth muscle as does epinephrine. The antihistamine drugs serve only to block constriction in the bronchial tree produced by histamine or an anaphylactic reaction. Therefore, antihistamines are histamine blocking agents, whereas the amines are histamine antagonists. It should be remembered that orally administered antihistaminics take at least twenty minutes to produce some effect, and in allergic crises epinephrine is the drug of choice.

Ephedrine is less active as a bronchodilator than epinephrine, but has the advantage that its action is more prolonged. However, the use of ephedrine presents certain undesirable side effects such as nervousness, insomnia, vertigo, sweating, anorexia

and palpitation that may occur during therapy. In the last few years attempts have been made to produce sympathomimetic compounds with less effect on the cardiovascular and central nervous system. One such material is an amine called orthoxine. It is more effective than ephedrine experimentally, in relieving bronchial spasm induced by histamine, and will also relieve bronchial spasm produced by pilocarpine or acetylcholine. It has much less effect on the cardiovascular system than ephedrine, producing only rarely a tachycardia or palpitation, and elevation of blood pressure is either absent or slight. Central nervous system stimulation is also much less frequent than with ephedrine. Clinically it appears to be equally or slightly less active than ephedrine in patients with bronchial asthma. It may thus be of value in patients who cannot tolerate ephedrine.

Another amine, isuprel, has also been developed for the use in patients with bronchial asthma. This amine generally produces peripheral dilatation, resulting in a slight fall in systolic and diastolic blood pressure. Heart rate is unaffected or indirectly slightly increased. This amine relaxes smooth muscle, particularly in the bronchial tree, and will effectively combat histamine-induced asthma in guinea pigs. Clinically the compound is only slightly effective when administered orally, the best responses being obtained by inhalation. Sublingual tablets have also been tried with some success. The compound tends to produce nausea and vomiting and occasionally a feeling of apprehension and tachycardia as side effects.

*Epinephrine Fastness.*—Clinically the term "epinephrine fastness" is used to describe the condition arising when the patient with bronchial asthma becomes refractory to the usual bronchodilating effect of epinephrine. Although relief may be obtained by intravenous aminophylline or glucose and the administration of oxygen, the failure of epinephrine to be effective had not, until recently, been explained on a pharmacological basis.

In recent animal experiments it has been reported, and confirmed, that epinephrine will cause a production or release of histamine.<sup>5</sup> This release of histamine also explains in part the experimental production of marked pulmonary edema by successive injections of epinephrine. It is known that the patient with bronchial asthma is more sensitive to histamine than an otherwise normal

subject, and it is possible that epinephrine may cause a greater release of histamine in the allergic than in the normal patient.

Thus, a number of possibilities are available to explain "epinephrine fastness." First, sufficient release of histamine may counterbalance the bronchodilating effect of epinephrine. Secondly, although epinephrine might relax the bronchi, the potent stimulating effect of histamine on secretions may reduce functional capacity within the lumina. The release of histamine in such cases would provide a rational basis for the intravenous use of the antihistaminics. The epinephrine and antihistamine may be used together, the antihistamine blocking the effects of histamine released following epinephrine, thus allowing an unopposed bronchodilating effect of epinephrine.

### Miscellaneous Drugs

Antihistaminics as mentioned above may have a weak atropine-like action. Conversely, atropine has a very weak antihistaminic effect, and when studied experimentally, atropine is only a very poor antagonist of histamine. Similarly it is without practical effect in allergic states. Smooth muscle depressing drugs like trasentin are also ineffective. Local anesthetics such as procaine, nupercaine and cocaine, which were studied because of the local anesthetic properties of the antihistaminics, were without effect in preventing histamine effects in animals.

The xanthines, particularly theophylline, have also been used in the bronchial asthmatic. Theophylline acts not by blocking histamine but by producing smooth muscle relaxation and thus counteracting the effects of histamine. The most striking effects of this drug are often seen in the patient with bronchial asthma who has become unresponsive to epinephrine.

*Adrenal Gland.*—Adrenalectomy in dogs and rats produces a marked increase in sensitivity to histamine. Apparently the administration of both epinephrine and adrenal extract is necessary to return the sensitivity to normal.<sup>7</sup> Since the introduction of ACTH and cortisone in the treatment of rheumatoid arthritis and rheumatic fever, it has been observed that a number of patients were also relieved of a concurrent bronchial asthma. Only a few papers have appeared in which these compounds have been used primarily to treat allergic diseases.<sup>3,9</sup> In these initial reports, relief has

been obtained in bronchial asthma, status asthmaticus, and vasomotor rhinitis. While ACTH and cortisone have been effective, there has not been a complete relief in all cases. It is also difficult to evaluate these results since the mechanism of action is not understood. In view of the metabolic effects produced by these compounds, many more studies will be needed before they may be used in place of the relatively safe and effective histamine antagonists or histamine blocking agents.

### Discussion

There has been some criticism of the use of the word, antihistaminic, as applied to various compounds. This is in part justified for these compounds block not only histamine but have other pharmacological effects, in part acting as anticholinergics, sedatives, central nervous system stimulants and as local anesthetics. Strictly speaking, therefore, they are not pure antihistaminic agents. However, how else might they be classified? Their chief action is certainly to block that of histamine, and the side effects, although present in some compounds, are not present in all and are not necessary in order to obtain a histamine blockade. They might be classified from a therapeutic viewpoint as anti-allergics along with epinephrine and similar compounds.

Blocking agents of any type generally do not block equally in the various organs of the body. We might by analogy compare the blocking effects of antihistamines with those of atropine. If we stimulate the chorda tympani, innervating the sub-maxillary gland, we obtain vasodilatation in the gland and increased secretion. Both effects are produced by the liberation of acetylcholine from the nerve ending. Yet atropine will block or decrease secretion without affecting the vasodilatation, showing that some difference exists in the response of the end organ although similarly innervated. Further, as is well known, the vagus distributes its fibers to the stomach and to the intestine and yet under conditions of vagal stimulation atropine will block motor effects on the stomach with relatively poor effects on the intestine. Thus the blocking effect of atropine varies quite considerably, depending on the organ to be influenced, and we may expect a similar difference in response when antihistamines block histamine or an allergic reaction. We must also remember, in evaluating histamine-blocking drugs, that the origin of histamine in the allergic patient

or animal is from an endogenous source. Therefore, the response may differ in some respects from the results obtained when histamine is injected. Thus there are various reasons why we might expect a good effect of an antihistamine in certain allergic reactions and a poor response in others.

### Summary

Histamine is well implicated as the chief material produced in an allergic reaction. The liberated histamine produces various pharmacological changes which in general can be blocked by antihistaminic agents. These compounds may possess other pharmacological effects, but these are not correlated with the antihistaminic potency of the compounds. Epinephrine and related amines act not by blocking histamine in the sense that antihistaminics do, but by acting as an antagonist to histamine. Thus we have two groups of compounds available for clinical use, those which block the effect of histamine and those which act as histamine antagonists. While other compounds, such as ACTH and cortisone, have been reported to be effective in allergic diseases, their mechanism of action may be unrelated to these two effects.

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### MSMS

First symptom in 80 per cent of Hodgkin's disease is painless enlargement of lymph nodes usually cervical but sometimes inguinal or axillary.

\* \* \*

Periodic roentgen examinations are indicated for all persons whose occupations cause them to be exposed to lung irritants over long periods of time.

\* \* \*

In all suspected cases of lung carcinoma an exploratory thoracotomy should be performed.

\* \* \*

Nearly all cancers of the oral cavity, breasts, labia, vagina, rectum and anus can be reached by the physician's finger.

## Mass Screening or the Multiphasic Clinic

By Vlado A. Getting, M.D., Commissioner  
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IN RECENT years various screening techniques have been developed for the detection of certain of the major killers such as high blood pressure, heart disease, diabetes, syphilis, or tuberculosis. An individual may have a chest x-ray to rule out tuberculosis, in another clinic he may be screened for diabetes and in a third place he can be checked for high blood pressure and heart disease. Such screens are not intended to replace the diagnostic skill of the physician. Rather they are attempts to indicate or to raise suspicion in apparently healthy individuals of the presence of these diseases, and subsequent diagnosis and treatment is carried out by their own personal physicians. For many reasons, however, it is desirable that screening procedures that have been proved effective for certain diseases be offered simultaneously, and in a single visit to a clinic, such as is possible in a mass screening or the Health Protection Clinic. In such a clinic a medical history is taken, a limited physical examination performed, blood pressure and pulse rate determined, x-rays of the chest, certain blood and urine tests, and vision and hearing tests are conducted. Thus, with a minimum of time and expense the individuals examined are screened for the presence of the major conditions that may lead to serious protracted illness, disability, or untimely death. Through early detection of such diseases as hypertension, heart disease, diabetes, cancer, tuberculosis and nephritis, patients are referred to their family physicians for complete checkup and treatment. The incidence of complications, long-term care in hospitals or at home, and serious loss of earning capacity is reduced. The objective of these clinics is to keep people well and on the job rather than to have them come to the hospital as patients or permanently disabled and on welfare lists.

The concept of mass screening has been accepted in many places throughout the United States, one of the earliest clinics being conducted

in San Jose, California, under the joint sponsorship of the Santa Clara County Medical Society, the San Jose City Health Officer and the California State Department of Public Health. The screening was restricted to an industrial population and applied to 945 employees, and consisted of taking radiographs of the chest, drawing of blood specimens, urine samples, and securing a history on each patient.

A more ambitious program was started in Alabama under the direction of the State Department of Health late in 1949.

On a county basis a mass screening of the population was made for tuberculosis and heart disease by the use of the x-ray and for syphilis and diabetes through blood specimens.

In Richmond, Virginia, the local city health department, with the assistance of the State Health Department and financial participation by the tuberculosis association, started a mass screening program on the seventh floor of one of the finest department stores in Richmond. The tests consisted of an x-ray of the chest for the screening of tuberculosis and heart disease, blood specimens for detection of syphilis and diabetes and hemoglobin, recording of blood pressure, height and weight. One out of five was tested for visual defects by the sight screener; one out of five over the age of fifteen was tested for glaucoma with a tonometer; and one in ten had an electrocardiograph. It is estimated that this clinic could handle approximately 6,000 per month.

No doubt there are many other programs of mass screening such as the one started in Indianapolis, Indiana, under the joint sponsorship of the Public Health Service, the State Department of Health, and the Indianapolis Health Department, whereby a special project located in one of the city's health centers was developed. The screens used were chest x-ray, measurement of height and weight, cardiac auscultation, blood sugar, serology test for syphilis, hemoglobin determination, sight screener for vision defects, audiometer for hearing test, and personal data.

In May, 1949, the Council of the Massachusetts Medical Society voted at its annual meeting to establish five pilot multiphasic clinics. At the same time, it empowered a Committee of the Society to act in accordance with the plans set up by the Massachusetts Department of Public Health with regard to a screening program in Massachusetts.

Presented at the 85th Annual Session and Postgraduate Conference of the Michigan State Medical Society, Detroit, Michigan, September 21, 1950.

## MASS SCREENING—GETTING

Soon afterward a co-operating grant was received from the Public Health Service and funds were likewise made available from the Massachusetts Department of Public Health for an initial multiphasic clinic. Two voluntary agencies, the Massachusetts Heart Association and the American Cancer Society (Massachusetts Division), have also contributed to the support of this first venture. With the development of the plan by the Committee of the Medical Society, the New England Center and Pratt Diagnostic Hospital in Boston was chosen as the first site for the clinic.

During the first week in December, 1949, a trial run of the clinic was held in which a hundred of the Department of Public Health's own personnel were screened. Finally, on January 3, 1950, the "Health Protection Clinic" was opened to the public. There was an overwhelming response to the single news release announcing the clinic. The telephone system became disrupted from the enormous influx of calls. People also called in person and flooded the office with letters. To the joy of the telephone company, the instrument was disconnected after only three days, and news releases were sent out announcing that all further requests for appointments must be made by mail. Yet the applications still arrived in such quantities that twice as many requests were received as could be granted for appointments.

### Objectives

The purpose of a Health Protection Clinic Study is:

1. To refer persons with suspicious screening results to their family physician for diagnosis and treatment.
2. To screen apparently well individuals for the possible presence of heart disease, hypertension, diabetes, tuberculosis, cancer, syphilis, nephritis, vision and hearing defects, and nutritional status.
3. To motivate people to obtain early medical care and thereby reduce illness, welfare loads and unnecessary deaths to a minimum.
4. To evaluate various screening procedures against a physical examination and a history and to study the various motivations which bring people to the clinic.
5. To evaluate from the point of view of cost and administrative techniques the applicability of various screening procedures, including those which may be carried out in the family physician's office.

### Clinics

The State Department of Public Health has received the co-operation of the Massachusetts Medical Society and many other agencies in the development of clinics in pivotal locations in the Commonwealth. One research clinic has been in operation at the New England Center Hospital since December, 1949, and the findings of over 2,000 cases are being presented here. It is expected that an evaluation of techniques can be made on the 2,600 people who were seen in this clinic. It is planned to establish these clinics throughout the Commonwealth, so that eventually there will be in operation both fixed clinics in hospitals and health centers as well as mobile clinics.

### Procedures of the Clinic

Each patient, prior to his visit, is sent a 222-question form, the Health Protection Self-Screener, which is similar to the Cornell Medical Index but has been adapted for special use in the clinic. During this visit to the clinic, the patient receives not only all of the available clinical screening tests but a complete physical examination which occupies on an average of about twenty minutes of the screening time. The procedures and tests now used in this multiphasic clinic include:

1. Self-screener medical history
2. Blood test for serology, sugar and hemoglobin
3. Urine test for sugar and albumen
4. Vision test
5. Hearing test
6. 70 mm. chest x-ray
7. Measurement of height and weight
8. Recording of blood pressure readings
9. Temperature is taken
10. Pulse and respiration recorded
11. Physical examination at least twenty minutes in length including a routine rectal with hematest (for occult blood in the stool specimen) and a pelvic and/or papanicolaou where indicated.

Through these three types of procedure, that is, history, clinical tests and physical examination, it is hoped that statistical studies may be made to evaluate the first two in such a way that eventually the physical examination may be deleted from the procedures. In such a case, if suspicion of disease is raised by the history and clinical tests alone, then those individuals needing a physical examination would be sent to their own family physician.

### Referral and Followup

If, upon application of the screening tests, persons are suspected of having disease, they are re-

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TABLE I. DEFECTS FOUND IN 2000 SCREENEES

Defect	Number Not Previously Diagnosed or Under Treatment
Obesity .....	353
Vision .....	212
Hypertension .....	173
Heart Disease .....	159
Rheumatic .....	20
Hypertensive .....	41
Other .....	98
Hearing .....	140
Underweight .....	39
Diabetes .....	47
Anemia .....	29
Lesions suspected of being cancer .....	102
Uterus and Vagina .....	35
Gastrointestinal .....	16
Rectum .....	14
Breast .....	11
Skin .....	7
Lung and Mediastinum .....	4
Prostate .....	4
Mouth .....	3
Metastatic .....	3
Kidney, Larynx, Bladder, Brain and Thyroid .....	1 each
Tuberculosis .....	17
Nephritis .....	10
Syphilis .....	8
Other Conditions .....	441
Gynecologic conditions .....	221
Gastro-intestinal conditions .....	76
Hyperthyroidism .....	42
Pulmonary disease* .....	32
Benign tumors .....	31
Genito-urinary conditions** .....	18
Goitre .....	13
Hypothyroidism .....	8

Total Number of Defects (not under medical care) 1730

\*Other than Tuberculosis  
\*\*Other than Nephritis

ferred back to their family physician or to an out-patient clinic for definitive diagnosis and treatment. The physician is asked to give his final diagnosis, and after a reasonable length of time, if no answer is received from him, a public health nurse calls or visits him to determine whether or not the patient has been to see him. If the patient has not visited his doctor, a social service worker calls upon him to urge him to do so. Followup at present is being made of all positive screening results as a check on the effectiveness of the procedures and also to insure that the patient has reached the doctor for final diagnosis and treatment. Followup will also be made on random samples of normal cases to determine whether any conditions have been missed in the Health Protection Clinic.

## Results

The initial run of the first pilot clinic is completed. Over 2,600 persons were seen in the clinic. Of these, 2,000 records have been carefully tabulated with the following results: 1,266 persons (63.3 per cent) were referred for abnormal conditions both known and unknown to their family physicians. Actually, however, only 1,177 of these were referred for conditions not previously under

TABLE II. DEFECTS FOUND ONLY BY PHYSICAL EXAMINATION

Defect	Total Number New Defects	New Defects Found Only By Physical Examination
Heart Disease .....	159	48 (30.2%)
Lesions Suspected of Being Cancer .....	102	38 (37.3%)
Other Conditions .....		
Gynecologic Conditions .....	221	84 (38.0%)
Gastro-intestinal Conditions .....	76	12 (15.8%)
Hyperthyroidism .....	42	24 (57.1%)
Pulmonary Disease* .....	32	10 (31.3%)
Benign Tumors .....	31	8 (25.8%)
Genito-urinary Conditions** .....	18	8 (44.4%)
Goitre .....	13	13 (100.0%)
Hypothyroidism .....	8	6 (75.0%)
Totals .....	702	251 (35.8%)

\*Other than Tuberculosis  
\*\*Other than Nephritis

medical care. These 1,177 persons had 1,730 previously unknown or untreated conditions; in other words, 1.5 defects were found per person.

The major defects found were as follows (Table I):

1. *Obesity*—353 persons who were more than 20 per cent above the ideal weight were referred for obesity.

2. *Vision*—The screening level of 20/40 vision in either and both eyes for far and near vision was not met by 212 persons. These persons with vision defects had no glasses or had not been refracted for glasses for more than one year.

3. *Hypertension*—A systolic pressure above 150 mgs. or a diastolic pressure above 90 mgs. was found in 173 persons who previously had no knowledge of the presence of hypertension.

4. *Heart Disease*—A total of 159 cases of heart disease was discovered at the clinic, either by physical examination, x-ray or history. Of these 159 cases discovered there were twenty cases of rheumatic heart disease, forty-one cases of hypertensive heart disease, and ninety-eight other cases of heart disease. This last group includes arteriosclerotic heart disease, angina pectoris and two cases each of luetic and congenital heart disease.

5. *Hearing*—140 hearing defects not under treatment were found. These persons had a hearing loss in either ear below the screening level of 30 decibels at 512, 1028, and 2054 cycles (the range of the human conversational voice).

6. *Cancer*—There were 102 lesions suspected of being cancer from the history, physical examination or certain clinical procedures; for example,

# MASS SCREENING—GETTING

x-ray, Papanicolaou or hematest, were revealed in the first 2,000 screenees.

The lesions suspected of being cancer were found in:

Uterus and Vagina .....	35
Gastro-intestinal tract .....	16
Rectum .....	14
Breast .....	11
Skin .....	7
Lung and Mediastinum .....	4
Prostate .....	4
Mouth .....	3
Mestastatic area .....	3
Kidney, Larynx, Bladder, Brain and Thyroid .....	1 each

All of these are being followed up at the present so as to obtain a final diagnosis.

7. *Underweight*—thirty-nine persons who were more than 20 per cent below the ideal weight were considered referable for malnutrition.

8. *Diabetes*—The diagnosis of diabetes was made in forty-seven cases previously not under a physician's care. Diagnosis was made on the basis of a blood sugar level above 180 mgs. per cent, or a positive glucose tolerance test.

9. *Anemia*—twenty-nine cases of anemia were found, though no attempt was made to classify them as to type of etiology. A hemoglobin level below 11 gms. for men and 10 gms. for women (15.6=100 per cent) was considered as a screening level.

10. *Tuberculosis*—seventeen cases of tuberculosis were detected by x-ray examination. If the initial 70 mm. photofluorographic x-ray was suspicious of disease, a 14 x 17 chest plate was taken for confirmation. These discovered cases were for the most part in the early stages of the disease. One person, for example, had had a negative 70 mm. chest plate on routine survey two months before her visit to the clinic. A suspicious lesion was found at the clinic which preceded by two months' time the appearance of positive tuberculosis test and the symptoms of pleurisy with effusion.

11. *Syphilis*—Only eight cases of syphilis were found on routine Hinton examinations.

In addition, revealed by history or physical examination, were many cases of pelvic conditions, including cervical polyps and erosions, fibroid uterus, gastrointestinal disorders, ulcers, colitis, hiatus-hernia and gastritis. Also found were several goiters some with suspicious hypothyroidism. Many

TABLE III. SUMMARY OF FINDINGS

Total Persons Screened .....	2000
Total Defects Found .....	2187
Number of Persons Apparently Normal .....	734
Number of Persons with Referrable Conditions .....	1266
Number of Persons with New Defects (Not under medical care) .....	1117
Number of New Defects (Not under medical care) .....	1730
Number of New Defects per Person .....	1.5

persons were suspicious of psychoneurotic tendencies, and in some instances this was the only reason for referral to the family physician.

Many cases of arthritis were discovered, mostly inactive in nature. Two cases, however, were apparently in early active stages of rheumatoid arthritis.

## Summary

1. A brief description is given of the first Health Protection Clinic held in Boston, Massachusetts, including the procedures performed at the clinic and the purposes.

2. A summary of the first 2,000 cases seen at the clinic reveals the presence in 1,117 people of 1,730 unknown or untreated conditions, or an average of 1.5 defects per person.

3. Of 1,730 previously unknown defects, 1,479 (85 per cent) were found by the use of the screens alone. The elimination of a physical examination of twenty minutes duration would have meant that 15 per cent of the previously unknown defects would have been missed. Only 702 of the defects which were discovered could be considered as possibly detectable by means of a physical examination. Of these, however, only 251 (35.8 per cent) were discovered by the examining physician. If the physical examination is reduced to an average of ten minutes and includes only general observation, auscultation of the heart and a rectal or vaginal examination where indicated, we believe that nearly all of the positive signs of heart disease, suspected cancer, gynecological conditions and some of the other obvious physical defects could be found as in a twenty-minute examination.

The second pilot clinic, which is to open October 3, will therefore offer the same screening procedures but only a ten-minute physical examination. Five thousand or more persons will be screened, and it is expected that about 5 per cent of the overall defects (as were found in the first pilot clinic) will be missed.

In a third pilot clinic to be opened this winter, the physical examination will be omitted entirely, and it is expected that about 15 per cent of the

(Continued on Page 735)

## Importance of Physical Medicine and Rehabilitation for the Industrially Injured

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**P**ROBLEMS of physical restoration and rehabilitation of individuals injured or handicapped by industrial or occupational accidents should concern everyone. The employe always has either a conscious or an unconscious dread of an occupational accident, and fears its effect on his earning capacity and on the economic security of his family. Employe groups have sought and obtained greater protection for their members against both physical and economic disaster that can occur following occupational accidents. During the past twenty years industries and employers have continued to assume greater responsibility for the health of the workers. As a result, rapid strides have been made in prevention of occupational accidents. Also, more comprehensive liability insurance programs have been developed to provide compensation, as well as funds for necessary medical and surgical care. However, facilities for physical medicine, which are essential for final physical restoration and rehabilitation, have been most inadequate. In the report on America's health,<sup>4</sup> a group of authorities on these problems declared: "Physical restoration is the largest missing link in the treatment of the industrially injured."

### Sources and Kinds of Injury

Usually the large manufacturing industries are thought of as the principal sources of the approximately 2,000,000 compensable occupational accidents which occur annually. However, an assistant who strains his back while lifting a box in the stock room of a store, needs as good medical care including the means of rehabilitation, and as much compensation, as the machinist who receives a hand injury while operating a drill press. Likewise, the farm laborer who has his hand and forearm mangled in a corn picker, or who receives multiple fractures when his tractor turns over, or when a horse kicks him, is the victim of an oc-

cupational accident. Although lumbering and mining have the highest incidence of occupational injuries of the major industrial groups, transportation, construction, various trades, foundry work, public utilities, manufacturing, storage and warehousing are well represented.

A glance at the principal causes of occupational accidents indicates that everyone, from the miner to the housemaid, or from the machinist to the schoolteacher, is exposed daily to several of the more common potential sources of accidental injury. Year after year, the statistics of the National Safety Council<sup>5</sup> have shown that the lifting and handling of objects is the principal source of compensable occupational injuries, accounting for a fifth of all disabilities. Falls result in the next largest number of injuries (17 per cent), with accidents related to machinery a close third (16 per cent). However, accidents in which machinery is concerned actually account for the largest number of lesions resulting in permanent partial disability.

### The Value of Measures of Physical Medicine and Rehabilitation in Industry

Although occupational death rates have decreased strikingly in the past fifteen years, the injury rate has remained relatively constant, except for a significant increase that occurred during the war period. The first-aid treatment now available for the victim of the industrial accident is good. Medical and surgical care as it is provided by the patient's physician or by physicians retained by the employer, and by consulting specialists, is excellent. However, as has been said, adequate facilities for physical medicine, which provides for physical restoration and rehabilitation during and following definitive medical care, do not exist in most places. Physical therapy, the cornerstone of physical medicine, consists of the use of physical agents including therapeutic exercise, heat, massage and water and electricity for treatment. A large percentage of the most common occupational injuries result in disabilities that deserve thorough well-supervised physical therapy to insure most rapid and complete recovery of maximal function.

A survey of the types of industrial injuries indicates that the majority of the disabilities that delay recovery and return to work are the result of injuries that leave residual stiffness of joints, muscular weakness, and poor co-ordination. These residual effects ordinarily can be minimized by

Presented at a meeting arranged by the Committee on Physical Medicine of the Bay City General Hospital, Bay City, Michigan, May 24, 1950.

From the Section on Physical Medicine, Mayo Clinic, Rochester, Minnesota.

physical therapy and occupational therapy. Out of 72,000 compensable cases which were studied by the Liberty Mutual Insurance Company for the year 1945,<sup>3</sup> cuts, bruises and lacerations accounted for 31,000 of the injuries. In second place were 13,000 cases of sprains, strains and dislocations. In third place were 9,600 fractures. Burns and scalds accounted for 2,400 and amputations for 2,100.

In this series of 72,000 cases of occupational accidents, the compensable time loss averaged forty-four days per case. The total cost of medical care for these patients was approximately \$5,000,000, or about \$67 per case, with an average of only about \$1.50 per day for medical care. This figure of approximately \$5,000,000 for medical care can be compared to the more than \$16,000,000 which was paid in compensation to this same group. It appears that with some increase in medical expense in order to provide physical medicine and rehabilitation services, the period of disability and compensation can be shortened markedly and the degree of recovery of function increased. Thus with less money needed for compensation, insurance rates could be reduced.

#### Development of Facilities in Physical Medicine in Peace and War

Modern concepts of physical medicine and rehabilitation are of comparatively recent emergence, and the relevant services are still in the early phases of development and expansion. Some of the first systematic attempts at physical restoration and rehabilitation were made in England in the early 1930's. Convalescent centers were established for physical rehabilitation of miners who had sustained fractures and crushing injuries of the muscles in the coal mines of England and Scotland. After the earliest period of hospitalization had been completed, and while one or more extremities still were in plaster casts, the patient was sent to a convalescent center, usually in a rural area at some distance from the mines and from his home. Well-supervised programs of physical therapy, with emphasis on active exercise and recreational activities, were utilized to hasten the return of muscular strength and function of joints. It was soon observed that injured individuals who were actively treated at these centers could return to work in a much shorter period than was possible for the patient who was allowed to lie around in his local hospital, or "vegetate" at home.

During the recent World War, developments in rehabilitation were rapid. All branches of the military service maintained various programs for physical restoration and rehabilitation. Two of the most outstanding were set up, one by the British, and the other by the American, air force. It was shown statistically that as compared with control groups, patients on supervised programs of physical medicine, with emphasis on graduated exercises, were returned to duty after shorter periods of hospitalization and convalescence, and that among these patients the incidence of recurrence of disability was much lower. It was found that these programs of physical reconditioning and rehabilitation were useful in treatment of many so-called medical conditions, as well as in treatment of disabilities resulting from wounds and other injuries.

Also, in the course of the war, it was observed that the after-care provided the civilian worker following industrial accidents was not paralleling the excellent rehabilitation services being provided for those injured in the military services. Periods of disability following injuries of civilian workers were long and the supply of workers was short. The need of programs for physical restoration and rehabilitation therefore became obvious, and these were initiated. Results were good, and a certain direction in which their goodness was evident may as well be dealt with here. Industry soon learned that individuals with handicaps following accidents and diseases often could be fitted for, and trained for, new jobs. It is now well known that the production rates of handicapped workers, when properly placed in industry, are equal to those of workers without handicaps. Likewise, it has been found that absenteeism is no higher among handicapped workers than among those who are free of handicaps.

But, to return to the entire problem as it came up for solution in wartime civilian industry: Noting the long periods of disability following many industrial accidents, the Liberty Mutual Insurance Company established a pioneer, or pilot, civilian rehabilitation center in Boston. This center was established in 1943 to treat the industrially injured on an out-patient basis. It was recognized that, following an accident or surgical operation a patient could not be expected to rehabilitate himself. The idea was accepted that he should be under medical supervision to make sure that a complete program was arranged and carried out, with the object of restoring

function of joints and muscular power. Facilities were made available at this Boston center for physical therapy, occupational therapy and recreation. More extensive facilities were provided than were available in most hospitals or in any physician's office.

Aitken<sup>1</sup> reported some of the results of treatment of the first 797 patients received at this center. For the most part, the injuries were severe, and many of them multiple. The average interval between the time when the injury was sustained, or surgical operation was performed, and the time of admission to the rehabilitation center, was seven months. The average period of treatment at the center was forty-two days. Of the 797 patients treated, the condition of 673 (85 per cent) was improved and 434 of these were returned to work. The condition of only 124 (15 per cent) was not improved. The fact that so much was accomplished in forty-two days, after seven months of complete disability, seems significant.

An extensive and thorough program for rehabilitation and physical restoration of patients chronically disabled from disease or from accident industrially or otherwise sustained, has been set up by Rusk, Deaver and Covalt at the New York University-Bellevue Institute of Physical Medicine and Rehabilitation.

Although the present program at this institute has been in force for only three or four years, facilities are already overtaxed and plans for expansion are being completed.

The programs of physical restoration and rehabilitation thus far described were designed primarily for the care of the severely and chronically disabled person. Economically, it is just as important that facilities in physical medicine be available for restoration of the patient who has sustained minor injury. Although such an injury may leave little permanent, partial disability, that little may keep the patient on a non-productive basis and on compensation for an unnecessarily long time. Adequate facilities for physical medicine in the local hospitals, in industrial clinics, and in physicians' offices can be arranged to provide physical restoration and rehabilitation services in smaller communities as well as in larger cities.

#### What is Meant by Adequate Care

The concept of what constitutes an adequate service in physical medicine and rehabilitation for the industrially injured patient has changed con-

siderably from the concepts of physical therapy which existed ten to twenty years ago. No longer can one consider diathermy or a whirlpool bath, used for twenty to thirty minutes three times weekly, to constitute even basic physical therapy. The aim of the physical medicine and rehabilitation program is to hasten restoration of function of involved parts. Thus: (1) joints must be mobilized or their stiffness reduced; (2) muscular strength must be improved; (3) co-ordination, speed of movement and endurance must be augmented. In order to accomplish these things, treatment should be started as soon as possible following injury. Details of the treatment should be carefully prescribed by the physician and then should be carefully carried out by a staff of qualified therapists. Several hours daily should be devoted to the physical rehabilitation program of most patients. Often the patient must be instructed to carry out certain special activities and exercises when he is not directly under the supervision of the physician and therapist.

In order to provide a more tangible conception of what is meant by an adequate program of physical medicine and rehabilitation for the industrially injured patient, examples of two of the more commonly occurring problems encountered in caring for patients who have had occupational accidents will be presented.

*Simple Muscular or Ligamentous Strain of the Back.*—Of the 72,000 patients with compensable injuries in the series referred to previously,<sup>3</sup> 7,600 had injuries of the back. Approximately 85 per cent of these, or 6,500, experienced strains or sprains. Simple muscular or ligamentous strains are the most common injuries to the back.

For example, a worker, when lifting a heavy box, suddenly felt a pain in the lower part of the back. He had difficulty straightening to an erect position. He walked with his trunk in slight flexion and with a list to one side. In such a case, the physician must rule out serious injury to the bony structures and nerves, and this he does by carefully taking the history, performing thorough physical examination and obtaining roentgenograms. He attempts to evaluate the amount of pain, he notes the areas of localized tenderness and spasm, and he notes the degree and direction of limitation of motion.

Disability, on the average, for a simple muscular and ligamentous strain, should not be of long duration. If the patient is put at nearly com-

plete rest in bed for two weeks, if heat is regularly applied, if medication is given for pain, and if possible a board is kept under the mattress, he may obtain relief in one or two weeks and return to work. However, the functional capacity of the back muscles decreases rapidly with the disuse and inactivity incident to rest. Thus, when the patient returns to work he may have a relapse and the pain may recur. This increases his period of disability to a total of four or five weeks.

If, in addition to the treatment mentioned a moment ago, such a patient had been adequately treated with heat and massage during the first few days following injury, the pain and spasm probably would have improved. This should have been followed by a program of exercises graded so as to maintain muscular tone and gradually to increase the strength of the back muscles. Most patients so treated will be able to return to work early and will be in little danger of symptoms recurring since the muscles will not have had a chance to become "weak, soft or flabby" during a period of rest and inactivity. The physician should explain to the patient the importance of the program of exercise as part of his convalescent treatment.

*Cuts and Lacerations of the Hand, Wrist and Forearm.*—Of the 72,000 patients who sustained compensable occupational accidents, more than 25,000 (32 per cent) had lesions which involved the fingers, hands and forearms. The majority of the injuries were cuts and lacerations of skin, muscles, tendons and nerves. Amputations, fractures, burns, sprains and strains accounted for most of the other injuries of the hands and forearms.

Since the hand and forearm is the industrial worker's most important tool, injury to these parts challenges the physician to every effort to obtain maximal functional recovery. It has been said,<sup>2</sup> "The hand is a tool of tools, without being a tool; it steers the horse, holds the flute, builds the house, writes the book, grasps the sword. It knows no preference between the different vocations." One philosopher considered the hand as man's second brain. Its prehensile function has enabled man to develop the ideas of his brain by use of tools and machines. The hand also is an important sense organ. Its function as such is especially prominent when one is in total darkness or blind. The hand plays a part in perception of form, smoothness, roughness, size,

weight, temperature and spatial relations. Its complex motor functions, dependent on many large and small muscles, highly specialized tendon arrangements, and multiple small joints, are controlled by a larger group of nerve cells in the brain than any other part of the musculature of the body. These factors have made possible the high degree of co-ordination that can be attained in many of the fine, highly skilled movements of the hand.

Mechanically, the hand has several basic motor patterns. First, it can function as a hook, which is formed by flexion of the four fingers on the palm. This provides the carrying power of the hand, whereby it lifts a suitcase or other object that has a handle. It can function as a pair of pliers or forceps for picking up small objects between the thumb and fingers, such as a coin, or in holding a pen or pencil. The grasping of larger objects requires use of the entire palm, all the fingers and the thumb. In the grasping of more minute objects, the thumb and fingers, primarily, are employed. In such acts opposition of the thumb and fingers is the essential movement, as it is in the majority of skilled activities.

Following injury to the hand and forearm, the physician attempts to evaluate the loss of function and disability by objectively measuring (1) the amount of limitation in the bony segments, which include the joints of the fingers, thumb, wrist and elbow; (2) the loss of power or strength of the muscles; (3) the lack of co-ordination and control of the parts from the brain through the peripheral nerves, and (4) the loss of sensation or feeling. It is measurement of these factors which provides an index of the function of the parts and is the basis of evaluation of disability.

In January, 1950, for instance, an employee of a laundry was attempting to close a partly opened window which had become stuck. His hands slipped and broke through the glass. He received a transverse laceration just above the wrist on the palmar surface. The median nerve, the tendons of two of the muscles that flex the wrist, and a portion of the tendons that supply the flexor muscles of the fingers were severed. After regional anesthesia of the arm and hand had been established, the wound was carefully cleaned, the divided tendons were identified and the ends pulled together by means of interrupted silk sutures. The ends of the median nerve also were identified and approximated with interrupted sutures of fine silk inserted through the sheath.

The edges of the wound then were sutured together and a plaster splint was applied in such a way as to hold the wrist in slight flexion. The fingers were left free so that they could be moved, both actively and passively, without the sutured structures being stretched or placed under tension. The injury to the nerve resulted in anesthesia of part of the palm, as well as paralysis of some of the small muscles of the hand, including those essential for the important function of opposition of the thumb and fingers.

The skin sutures were removed in ten days, and the wrist was splinted in a position of less flexion than before. Two weeks after the accident the patient felt considerable pain in the region of distribution of the injured nerve. Also, swelling of the second and third fingers persisted, although motion of the fingers remained fairly good. At this time (two weeks after the accident) intensive physical therapy was begun. The hand and arm were treated in the whirlpool bath for a half hour, twice daily. Also, a start was made in active-assistive exercise, which means that the therapist assisted in the movements that the patients could not carry out; moreover, exercises were prescribed for re-education of muscular function with the purpose of helping the patient to regain coordination of muscular activity.

Although the foregoing measures resulted in mobility of the wrist and fingers being well maintained, considerable pain in the wrist and hand continued for a month. The patient, in addition to the supervised physical therapy that has been described, was instructed in specific exercises to do at home.

While all concerned were waiting for the severed nerve to regenerate, atrophy of the paralyzed muscles of the hand was held somewhat in check by use of electrical stimulation. By this means, active contractions of the paralyzed muscles were caused to take place. Although this injury was very severe, resulting in total temporary disability of the hand, the patient returned to work six weeks after the injury, and was given supervisory work. The laundry also gave him time off daily for his physical therapy. In May, 1950, motion and strength were improving, and there was definite evidence of regeneration of the nerve. Without this follow-up treatment, it is probable that the period of disability would have been prolonged, the pain might have persisted for a longer time and the fingers might have been

allowed to stiffen, secondarily to pain and swelling. The severity of the injury notwithstanding, the patient received compensation for a relatively short time. Good recovery is anticipated with little or no permanent partial disability.

#### Reasons for Present Inadequate Distribution of Facilities

Earlier, the following was quoted: "Physical restoration is the largest missing link in the treatment of the industrially injured." Why is this true?

There are a number of reasons why programs of physical medicine and rehabilitation have been slow in becoming available to the majority of industrially injured patients. First, owing to the recent evolution of the modern concept of this phase of medical care, many physicians have not had an opportunity to become thoroughly acquainted with the possibilities offered by such a program, to say nothing of becoming familiar with techniques and procedures, so that they can guide and supervise the therapists and other supporting personnel. This deficiency is gradually being overcome, as training courses are being offered to physicians in postgraduate courses and at medical meetings. Many medical students are taking courses designed to instruct them in such aspects of physical medicine and rehabilitation as can be applied in general practice as well as in many of the specialties. Some schools now have special courses devoted to the problems of industrial medicine so that certain physicians can become expert in the organization, management and supervision of industrial medical programs.

Second, there is a shortage of qualified physical therapists, so that most departments of physical medicine are not sufficiently staffed. As a result, this field of endeavor is constantly being encroached on by many self-styled physical therapists, so-called corrective therapists, masseuses, and out-and-out quacks, who exploit some single phase of physical treatment. Because of the highly specialized training of the therapist, as well as the shortage of available personnel, the cost of hiring enough qualified persons is necessarily high. Therefore, many institutions which could use three to six therapists may be limited to the employment of only a single individual or none at all. Since a single therapist can treat satisfactorily only ten to fifteen patients a day, it is obvious that a hospital with only one or two therapists can provide good service in physical

therapy to only an extremely limited number of patients. Although there are thirty-one schools approved by the American Medical Association for the training of physical therapists, the supply of graduates is far below the demand.

Third, hospital staffs and hospital boards often fail to see the economic advisability of setting aside space, and of providing personnel, for physical medicine and rehabilitation. They believe that the space could be more profitably filled with hospital beds.

Fourth, the allotments for medical care for the industrially injured which are included in some of the compensation and insurance plans may provide only limited or inadequate funds for physical medicine and rehabilitation.

Fifth, education of the public in regard to the importance of physical medicine and rehabilitation for the treatment of the industrially injured is incomplete. It is hoped that in the relatively near future, the patient with an industrial injury, who now takes for granted the use of the roentgenograms in diagnosis of his injury, can likewise expect to have facilities for physical medicine and rehabilitation utilized for his convalescent care.

#### Needs and Hopes

Facilities for physical medicine and rehabilitation should be available for the physical restoration of the industrially injured patient. Such facilities make possible more nearly complete and more rapid functional recovery, earlier return to work, shorter periods of disability, shorter periods of compensation, and lower insurance rates. It is only through the support and backing of physicians interested in the complete care of the industrially injured by employers, by liability insurance companies, and by the workers themselves, that the problems involved in providing better services for physical restoration and rehabilitation can be met.

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#### MASS SCREENING OR THE MULTIPHASIC CLINIC

(Continued from Page 729)

defects (as were found in the first pilot clinic) will be missed.

Careful study of all the data, on costs, procedures and on the acceptability of the various types of screening clinics will be necessary to determine whether the inclusion of a physical examination in a routine health protection or mass screening program is justified.

#### Conclusion

The mass screening program is being tested throughout many parts of the United States, using various techniques and procedures. Thus far it is apparently proving of some value. Although a mass screening clinic may miss certain physical disabilities when it is applied without a history and without a physical examination, it has proved to be effective in bringing to the attention of physicians suspected cases of some of the major killers. A mass screening procedure when utilized with a limited physical examination and detailed history has proved to be even more effective and is definitely a public health measure which merits further investigation, particularly in view of the inability of people to obtain regular, thorough physical examinations annually. Further study and development of techniques of mass screening will, no doubt, take many years. The final evaluation must await the thorough followup of both positive and negative findings before a final opinion can be given as to their value.

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## Problems of Mid-pelvic Dystocia

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**I**N SPITE OF marked progress which has been made in recent years in the understanding of the various features of obstetrical dystocia, this remains as one of the important causes of fetal damage and destruction. Maternal mortality studies have shown that dystocia which is unrecognized until labor is advanced all too often leads on to disaster for mother and baby, which could have been prevented. This is the justification for bringing the problem again to the attention of those who are constantly dealing with obstetrical problems.

In this discussion, only the part played by the bony pelvis will be considered. This does not suggest that the other factors associated with dystocia such as abnormal fetal size, position, and presentation, the function of the laboring uterus, and the problems associated with soft tissue resistance are not important. Indeed, the reverse is true. The time which is available will be spent on a discussion of that portion of the bony pelvis known as the mid-pelvis. This is to differentiate it from the problems of the pelvic inlet and those of the pelvic outlet. Much attention has been given to the pelvic inlet and it is true that it is in this plane that the majority of the bony pelvic abnormalities will be found. Interest has tended to move away from this since almost everyone who is practicing obstetrics, with very few exceptions, is conversant with the problems of the pelvic inlet and is using direct clinical measurements which can be accurately obtained and interpreted here. A strange change has occurred in our interpretation of the significance of pelvic outlet contractions, and it would seem fair to say that for the most part the demonstrable abnormalities of the pelvic outlet are of little significance at this plane, but produce their effect by their projection to a higher level, which may be called the mid-pelvis. The information dealing with the mid-pelvis is somewhat confused. Caldwell and Moloy intro-

duced the concept of pelvic form, which has an application to mid-pelvic problems as well as to other things. A variety of attempts have been made to measure accurately the various planes of the mid-pelvis, but none of these have met with very general acceptance, apparently because of the difficulty of interpreting them into clinical prophecy. There is no question but that there is an important and fairly frequent abnormal protuberance of the ischial spines into the pelvic canal, but there is not even a generally accepted term to describe this. It is suggested that inter-ischial spines contractions be used.

On the other hand, an attempt will be made to demonstrate the fact that contractions in this mid-pelvic area are frequent enough to be of great clinical significance, are difficult to interpret, and are extremely dangerous when not recognized. This is due to the fact that they manifest themselves in disturbances of the normal mechanism and progress of labor so late that any form of therapy is, at best, a poor second choice. It is here that one may find the cause of most of the difficult and disastrous attempts at forceful delivery late in labor. Obviously, the solution lies in recognition long before labor begins, adequate assessment and therapy based on this.

Two things must be stressed at the very outset of this discussion. The first is that no borderline contraction of the pelvis can be interpreted by itself into a prophecy as to the outcome of labor. Those who are practicing obstetrics must learn, as accurately as possible, to estimate the size of the fetus which must pass through that given pelvis and must do this in such pelvis sufficiently close to term so that little change in fetal size may be expected before delivery. The pelvis must not be assessed except in relationship to the fetus which must pass through it.

Secondly, there has been a great deal of criticism of the methods which have been designed to study the pelvis accurately. The mid-pelvis cannot be directly evaluated by clinical means. If one is not to use the accurate x-ray pelvimetry methods which are now available, the mid-pelvic contractions will simply not be adequately recognized, excluded, or assessed. Simple consideration of the problem can only lead to the conclusion that irrespective of how much one can interpret x-ray pelvimetry findings into clinical prophecy, the more we know about any given questionable bony pelvis, the better we are armed in the

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handling of its dystocia problems. The information obtained by x-ray is frequently decisive. It is silly to object to obtaining and trying to learn to use accurate data. The problem is to try to learn to use it within its limitations.

Almost everyone who has done obstetrics will recognize the bony pelvis which presents a real block to labor. The definition of an abnormal bony pelvis which is generally accepted was set down by Michaelis and Litzmann nearly a hundred years ago. They and we conceive of a contracted pelvis as one which is sufficiently shortened in any of its diameters so that it is likely to interfere with the normal mechanism of labor. The clinical interpretation of this is that we should try to recognize those pelves which, with a given-sized fetus, are likely to produce situations which may lead to serious damage to mother or baby even though delivery can be accomplished from below. The object is to rid ourselves of the necessity of carrying out nasty mid and high forceps procedures and cesarean sections late in labor. In the light of our present knowledge, this can, with reasonable certainty, be accomplished.

Let me quote from the case record of a patient who was delivered in August of this year. She was twenty-one years old, and her only previous pregnancy had ended in the delivery of an anencephalic monster. Her expected date of confinement was not known, but the baby weighed 3540 grams at birth. Her pregnancy was uneventful. External pelvic measurements were normal. No internal pelvic examination was carried out. She began labor spontaneously, and at the end of eighteen hours with 4 cm. of dilatation, a simple anteroposterior and a similar lateral x-ray plate were made. The roentgenologist's report simply said there was no evidence of cephalopelvic disproportion. At the end of twenty-six hours of labor, an attempt was made to deliver the fetus by forceps to the floating head without success. The patient was put back to bed and fed by mouth. Two hours later the fetal heart tones disappeared. After thirty-one hours of labor and after five hours of full dilatation, another attempt was made at forceps delivery. There was no agreement among the observers as to the position of the head at this time. The patient vomited and aspirated, was re-anesthetized, and repeated this, and was finally forcefully delivered under local anesthesia. Shock, cyanosis, and pulmonary edema persisted, and the patient died. Re-examination of the x-ray films showed what was prob-

ably a contracted pelvic inlet, but below this level, the sacrum was rachitic and flattened. The ischial spines were markedly prominent, particularly that on the right. The patient apparently had both a pelvic inlet and a mid-pelvic contraction. This fatality will be charged as an anesthetic death. It should much more properly be attributed to a lack of recognition of the pelvic contraction, and as such was preventable. It is exactly this sort of thing at which the present discussion is aimed.

The factors which are involved in the problem of mid-pelvic dystocia are several. The whole pelvis may be funnel-shaped. The side walls, as seen in an anteroposterior x-ray film, may converge. The lateral bore, as seen in a lateral x-ray film, may likewise converge. The ischial spines which are normally separated by 10.5 cm. may protrude abnormally into the pelvic canal. The sacrum, which normally has a well-marked longitudinal cavity, may, usually as a result of childhood rickets, lose this concavity and seriously impinge upon the important hind pelvis at this level. Disturbances in pelvic form, particularly the android pelvis, may also contribute. The work of Caldwell and Moloy will not be discussed here. The size of the fetus, it should be stressed again, is all-important in interpreting the degree of these contractions into clinical outcome.

How does one recognize mid-pelvic contraction? A history of previous obstructive labor is obviously important. Three clinical findings are of the greatest importance. The first is obtained by simple palpation of the sacrum. The recognition by palpation of deviation from the normal sacral form, particularly in so far as the longitudinal concavity is concerned, should be noted in every single patient. Secondly, the ischial spines must be palpated. It is true that purely clinical evaluation of this finding is impossible, but abnormally protuberant spines can certainly be recognized by palpation. The third feature is obtained by the clinical measurement of the various planes of the pelvic outlet with which we are all familiar. A pelvis which has abnormally short transverse measurements of the outlet or an abnormally short posterior sagittal should be held suspicious in so far as mid-pelvis is concerned. It is the author's opinion that contraction of the outlet in itself is usually of comparatively little significance since its effects can be removed by simple soft tissue incision and repair. On the other hand, the significance of contraction of the pelvic outlet as an

indicator of a serious abnormality above that level cannot be too much stressed.

How does one go about getting an evaluation of the mid-pelvis? In very few sets of circumstances, clinical examination will allow a clear-cut decision as to therapy. Under most circumstances, it is impossible by clinical evaluation alone to adequately assess the mid-pelvis. X-ray pelvimetry findings in this mid-pelvic field are of most striking value. There can be no question but that it has taught us a great deal about the mid-pelvis and is often the deciding factor in the choice of therapy. Some accurate method must be used. One can be seriously misled by measurements obtained by inaccurate methods. A variety of methods for accurate x-ray pelvimetry have been described. The University of Minnesota Department of Obstetrics and Gynecology is impressed with the value and utility of the method described by Hodges and by Dipple. This allows the use of a non-precise x-ray machine. The actual tube shifts are calculated by simple formulas so that common source of error is excluded. Exact measurements of the various significant areas may be obtained at the expense of a stereoscopic pair of anteroposterior and lateral films, and a little simple arithmetic. The pelvis may be stereoscopically viewed from these as well.

What are the indications for such study of the pelvis? It is done only in the last four weeks of pregnancy for the purpose of protecting the baby from even this degree of x-ray exposure. Prior to that time, the fetus is so small that in the questionable pelvis at least, there is no dystocia problem. It is done in each patient who presents a suggestive or real abnormality of the sacrum, of the ischial spines, or of the pelvic outlet. It is done in all primiparous breeches, and in patients who give a history of previous unexplained mid-pelvic difficulty. It is not done routinely. It does not substitute for clinical examination, and is not done unless the clinical examination shows indications for it.

The interpretation is still difficult. This need not cause too much concern. This presentation is designed primarily to call attention to the fact that contraction of the mid-pelvis occurs, indications of its presence can be recognized, and accurate visualization of its details can be obtained. This much is not subject to disagreement. The interpretation of the detailed findings which will be given is the outcome of careful observation but

is subject to the inevitable errors of human judgment. As such it may have to be revised. Any one who will take the trouble to study the mid-pelvis will draw his own conclusions from experience. It is of major importance that the presence and degree of the abnormality be recognized.

In the presence of normal ischial spines and a non-convergent pair of side walls, a good deal of loss of vertical concavity in the sacrum will still allow safe pelvic delivery of a normal sized baby. Under normal circumstances, the ischial spines are separated by 10.5 cm. The lower limit of contraction here which will allow the passage of a normal sized child in the presence of a normal sacrum and an otherwise normal pelvis is about 9 cm. The department has one case record in which a patient with an ischial spines diameter of 8.2 cm. was delivered of a normal sized baby with bilateral depressed fractures of the skull. Above 3500 grams fetal weight, 9 cm. spines or less is a quite clear indication for elective cesarean section for the benefit of the child. It is in the field of combinations of abnormalities of mid-pelvis that the great difficulty of interpretation arises. Spines of 9 cm. with any significant loss of available hind pelvis as the result of loss of vertical concavity of the sacrum, is dangerous and is probably best treated by cesarean section in the presence of a normal sized child. 9.5 cm. spines at least are required under these circumstances for a fetus which weighs 3500 grams or more. It is dangerous to deliver babies presenting by the breech through any of these.

There is much still to learn about interpretation of mid-pelvic findings. It is clear that some expression of volume is required. No generally accepted method for doing this has yet been described. You are no doubt familiar with the various attempts which have been made in this direction. In the absence of this, one must be prepared to use what tools are available as carefully as possible. Recognition of abnormalities in mid-pelvis is by far the most important step and is the main object of this presentation. Each of us must learn by experience the details of interpretation. In the hands of the Department of Obstetrics and Gynecology, University of Minnesota Medical School, the use of these features seems to actually have decreased the cesarean section rate rather than increased it, and has almost done away with nasty and often mutilating forceps procedures. It would appear that this is an objective worth working for.

## Dimercaprol in the Treatment of Acrodynia

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THE FIRST description of acrodynia came from Germany in 1903, and it was classically described by Feer<sup>3</sup> as a "disturbance of general health (moroseness, restless sleep, poor appetite), loss of weight, continuous perspiration with skin erythema, aggravating itching, cyanosis of the cold, moist hands and feet with desquamation, restricted motility, tremor, increased pulse, increased blood pressure and trophic disturbances. The onset is usually insidious, seldom acute. Psychic disturbances usually appear first, and then the complete picture is developed." The cause of the illness was unknown, and the treatment was symptomatic, until Warkany and Hubbard<sup>4</sup> suggested mercury as the etiology in 1948, and Bivings and Lewis<sup>2</sup> used British Anti-Lewisite (dimercaprol) as the treatment. Since then several small series of BAL-treated acrodynia have been reported. Bivings<sup>1</sup> summarized fifteen cases from nine authors, who had had uniformly good results.

The cases herewith reported are examples of acrodynia, its course, and the results with dimercaprol.\*

*Case 1.*—M.B., a twenty-one-month-old white girl, was admitted to Little Traverse Hospital with a four-week history of "hive-like" rash, irritability, poor appetite, 6-pound weight loss and fever. Her fever started with scratched, pustular eruptions five days before admission. During the last two weeks of her illness she cried at her mother's slightest touch. Thienylpyramine hydrochloride (Histadyl®), diphenhydramine hydrochloride (Benadryl®), parenteral penicillin, and sulfonamides had been given without improvement. Her mother denied any exposure to mercury in powders, ointments or liquids; but three days later she brought in some white wafers with which the patient had been playing for the last month. Her mother said they were chemical "heat tablets," and on analysis they proved to contain mercuric sulfocyanide. Her past history was negative.

On admission her weight was 27 pounds, temperature 101.4°, pulse 132, respirations 28, blood pressure 128/60. She cried at the slightest touch and usually lay with her face buried in the bedclothes. An urticarial rash covered the cheeks, entire trunk, and extremities, with an abrupt change at the plantar and

palmar surfaces, which were smooth, red and dry. There were pustules on the buttocks. The inguinal nodes were slightly enlarged. The conjunctivae, nasal mucous membranes, and pharynx were suffused. The gums were swollen and red. She drooled profusely. The spleen tip was just palpable. Her extremities were weak and slightly wasted. In a forty-eight-hour urine specimen (720 c.c.) 100 gamma of mercury per liter were found. She was started on intramuscular dimercaprol 0.25 gm. per kilogram every four hours for forty-eight hours, and then every six hours for twenty-four hours, and then twice daily.

On the fifth day there was abrupt improvement. She drooled only slightly. Most of her photophobia had disappeared, and her urticarial rash was entirely gone. The redness of her palms and soles faded without peeling. Her blood pressure was 92/60, and her weight was 32 pounds. Her appetite improved and she was discharged after seven days of dimercaprol treatment. She has remained well since.

*Case 2.*—J. A., an eleven-month-old white boy, was admitted to Little Traverse Hospital with a three-week history of weakness, irritability, drooling, poor appetite, and weight loss of unknown amount. Daily for four weeks he had had 0.5 gm. mercury bichloride tablets in his diaper rinse. No other ointments, or powders, or liquids containing mercury were used. His past history was negative.

On admission he was a thin, slightly wasted, irritable patient with marked photophobia. His weight was 22 pounds, temperature 99.6°, pulse 140, respirations 30, blood pressure 110/70. He refused to stand. His soles and palms were red, moist, and cold. The conjunctivae were suffused. He drooled profusely. The rest of the physical examination was normal.

Routine blood, urine and stool examinations were normal. One hundred and seventy gamma of mercury were found in a twenty-four-hour urine specimen (480 c.c.). Dimercaprol, 3 mg. per kilogram every four hours for twenty-four hours, then every six hours for forty-eight hours, and then twice daily, was given. He improved so that in five days he no longer drooled, and his palms and soles looked normal. He stood in his crib and had only minimal photophobia. His blood pressure was 90/70. He was discharged after six days' treatment, and has remained well since.

*Case 3.*—S. H., an eighteen-month-old white girl, was admitted to Little Traverse Hospital with a four-month history of constipation, dysuria, oliguria, profuse perspiration, itching, painful hands and feet, pain on motion, sore mouth with a loss of one lower central incisor, and the loosening of another, and weight loss of unknown amount. Her onset followed a diarrhea treated with a proprietary bismuth preparation, after which mercury bichloride 0.5 gm. was used daily in the diaper rinse for her diaper rash. In three weeks her palms and soles peeled and then remained red, cold and moist. She refused to stand or walk, and sat up only briefly. Her appetite was poor for the entire illness. Although she drank water copiously, her urine was scanty and

\* 10 per cent solution of dimercaprol in peanut oil with 20 per cent benzyl-benzoate manufactured by Hynson, Westcott and Dunning, Inc., Baltimore, Maryland.

# Unsuspected Ruptured Interstitial Pregnancy of Eighteen Calendar Weeks' Development

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Detroit, Michigan

**R**UPTURE OF an ectopic pregnancy or spontaneous uterine rupture may be fatal since medical care is sought too late or the physician fails to recognize quickly the cause of the patient's moribund state and to institute blood transfusions and prepare for exploratory laparotomy as soon as possible. The interstitial portion of the salpinx is the least frequent nidation site in tubal pregnancy, although a few cases of this type of pregnancy might conceivably terminate normally at term as a result of spontaneous rupture into the uterine cavity at a very early stage, with continued growth and development.<sup>1,2</sup> Such a pregnancy might conceivably rupture into the uterine cavity, and spontaneous abortion might follow.

The interstitial portion of the tube, traversing, as it does, the thickness of the myometrium, necessitates the growth of any contained gestation within the wall of the uterus. By such development within the myometrium the early gravid symptoms and signs would simulate, at least to some degree, a normal intra-uterine pregnancy; thus diagnosis may be difficult or impossible prior to surgery. The support given the developing conceptus by the uterine muscle cells, which hypertrophy as part of the gravid state, usually maintains an interstitial pregnancy past the average time for rupture of a tubal ectopic pregnancy, and many such may be carried on for fourteen to eighteen calendar weeks before signs of rupture occur.

The rupture of an interstitial pregnancy is practically always sudden and dramatic, and there may be immediate onset of shock, which, if not adequately treated, will result in death. These cases have been known to terminate fatally within one hour of the first signs of rupture.

The case to be presented surely began to rupture some four hours prior to admission on October 28,

1950, and inasmuch as this was the first time she had been seen by us, diagnosis was somewhat difficult, especially since she had been assured by her own physician that she could "expect delivery in early December."

## Case Report

L.H., a thirty-two-year-old, married, colored woman, a non-clinic patient, was admitted to the Obstetric Division of the Herman Kiefer Hospital on October 28, 1950, with the complaint of persistent lower abdominal pain of four hours duration. While at breakfast she felt nauseated, went to her living room to lie down, and half an hour later her husband found her unconscious and vomiting. She was admitted to the hospital four hours later with the following findings:

She was a well-developed, slightly obese Negress in moderate distress and slightly lethargic. Examination of the head, neck, thyroid and cervical glands were not remarkable. Ophthalmic examination revealed normal fundi except for pallor. The heart was normal to percussion and on auscultation. The lungs were clear to percussion and auscultation. The breasts were of a normal gravid consistency for a pregnant multipara. The abdomen was round but not rigid or tender, and there was no evidence of trauma nor operative scars. A large mass extended up out of the lower abdomen to 6 centimeters above the umbilicus and this mass was diffusely and intrinsically tender and soft. No signs of peritoneal irritation were present. Her first admission blood pressure was 80/30; the pulse was 68, regular, full, and of good quality; respirations were 20. The patient was rather annoyed at all the palpation, and her only comment was that if we would stop palpating her abdomen she "would be all right." At no time did she complain of pain other than when the abdominal mass was palpated. Intravenous fluids were started and arrangements for grouping and cross-matching made. Ten minutes later, her blood pressure was 30/0; pulse 70, still of good quality; and respirations 18. Her extremities were warm, she was well hydrated, and none of the usual signs of shock were present; she was, however, treated at once for shock, in that intravenous fluids, blood transfusions and continuous nasal oxygen were administered. There was no vaginal bleeding.

A rectal examination at this time was unsatisfactory, so she was taken to the delivery room, where a sterile vaginal examination was performed. The cervix was found to be 3 to 4 centimeters long, closed, and the mucus plug was intact and *in situ*; no cervical bleeding was present. There was no history of bleeding or spotting, and careful questioning of the patient and her husband, pre- and postoperatively, revealed no story of trauma, either external or that attendant upon coitus at this stage of pregnancy. Her conjunctivae at this time were pink. It was felt by one observer that this clinical picture might be on the basis of a brain lesion; a surgeon saw the patient and was also puzzled as to the diagnosis, stating that there did not seem to be any free fluid in the abdomen. The possibility of pheochromocytoma was also entertained. By this time,

From the Department of Obstetrics and Gynecology, Wayne University College of Medicine, and the Obstetric Division, Herman Kiefer Hospital, Detroit.

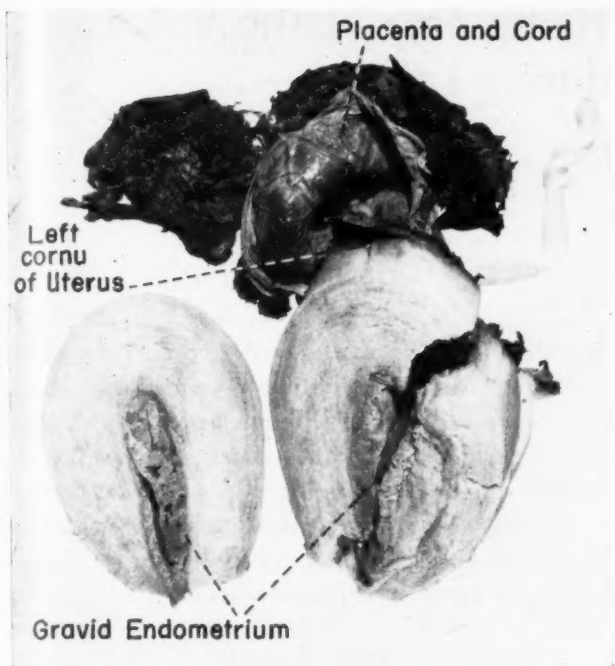


Fig. 1. Sagittal section of uterus showing the site of uterine rupture.

however (one hour following admission), her uterus became more tender and some slight evidences of peritoneal irritation appeared. The blood transfusion had elevated her blood pressure to 68/30. Abruptio placentae was considered because of the increasing "uterine" tenderness. The level of the fundus, however, which had been marked on the abdomen in ink on admission, had not changed its position.

Because of these early signs of peritoneal irritation, sterile vaginal examination was repeated and a cul-de-sac tap was performed. The first tap revealed nothing, but with a larger needle, a No. 18, 15 cubic centimeters of dark red blood, which did not coagulate, was easily aspirated. A diagnosis of ruptured uterus was made at this time and an exploratory laparotomy was done immediately under closed system gas-oxygen-ether anesthesia. Upon opening the abdomen, approximately 3,500 cubic centimeters of blood and clots were found. When this was partially removed, an intact amniotic sac, containing a small fetus (which weighed 11 ounces), was discovered, and the sac was attached to a placenta that was partially detached. It first appeared as though an abdominal pregnancy was present, but on palpation it was found that the greater portion of the uterine fundus was ruptured, there being a ragged, bleeding crater measuring 10 to 11 centimeters in diameter, with a portion of the placenta still attached in the base of the uterine crater (Fig. 1). A subtotal hysterectomy was performed rapidly, and the patient was returned to the ward unconscious and in fair condition, having received a total of 3,000 cubic centimeters of whole, citrated blood intravenously, most of which was pumped in during the operative procedure in order to maintain an adequate blood pressure.

Upon return to her room, her blood pressure had risen to 124/80. During the next twenty-four hours

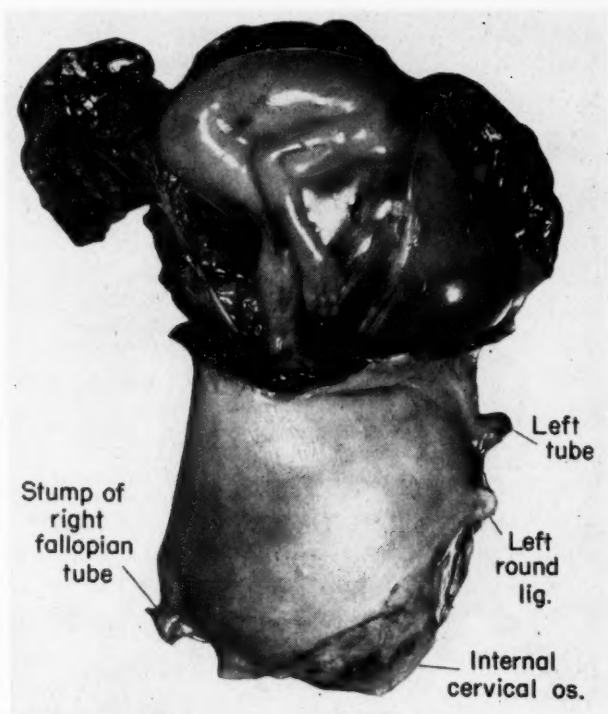


Fig. 2. A view showing the relationship of the uterine rupture site and intact amniotic sac containing the fetus with the placenta.

her temperature reached 104°. She was given streptomycin therapy (250 milligrams every three hours), and 300,000 Oxford units of procaine penicillin were administered twice daily. On the second postoperative day her temperature was 103°, and it was normal on the third day and remained there for the rest of her stay. She received two additional 500 cubic centimeter blood transfusions during the first forty-eight hours following operation. On the evening of her third postoperative day the patient, being ambulant and symptom-free, insisted on signing a release from the hospital because she stated she was well and wanted to go home. When she returned five days later for removal of sutures she was in good general condition, and the wound was healing well.

This patient had been followed for approximately one month by her own physician and according to his findings was believed to have had an expected date of confinement of December 15. The preoperative level of the uterine fundus suggested a duration of about twenty-six to twenty-eight weeks, but examination of the specimen at time of laparotomy showed it to be an eighteen-week pregnancy. The pathological report was: "Pregnancy, interstitial, ruptured, with normal fetus and placenta of about eighteen weeks gestation."

### Discussion

In this case of spontaneous rupture of an eighteen-week interstitial pregnancy into the abdomen, the history of a supposedly normal gestation and the primary lack of the usual signs of peritoneal irritation and shock made the diag-

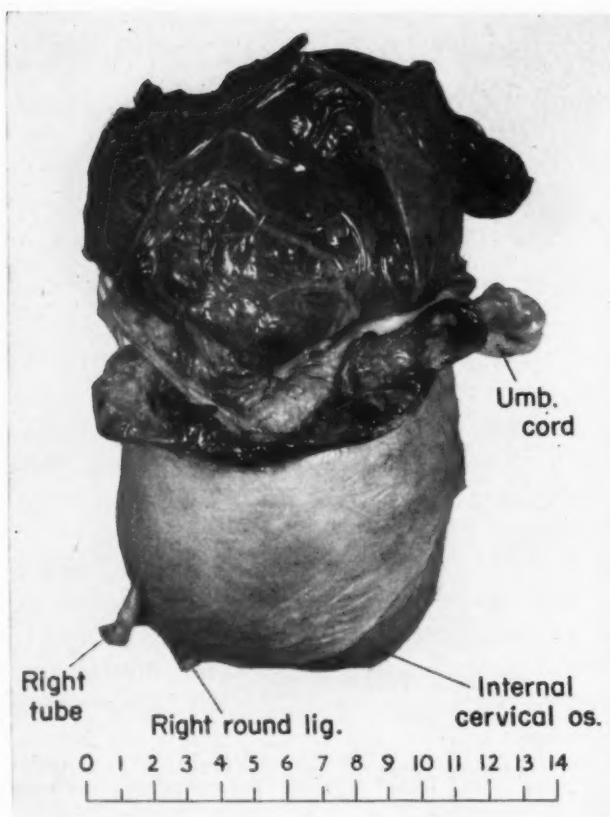


Fig. 3. The ruptured uterus with the placenta as found at the time of laparotomy.

nosis difficult at first. The alertness of the patient and the slow pulse also were baffling. As the uterine rupture proceeded, and the intraperitoneal bleeding increased, the clinical picture changed, however, and a cul-de-sac puncture permitted the aspiration of blood, so laparotomy was performed without further ado. We assume, therefore, that the rupture of this cornual pregnancy may have been attended by *gradual* separation of the placenta and extrusion of the conceptus, with *gradually increasing* bleeding from the uterus into the peritoneal cavity.

### Summary

A case of spontaneous rupture of an eighteen-week interstitial pregnancy is presented. The diagnosis was difficult for the first hour following hospital admission because (1) the uterine fundus apparently extended up to 6 centimeters above the umbilicus (suggesting a twenty-six to twenty-eight week intrauterine pregnancy), (2) there was no clinical evidence of shock, (3) no peritoneal tenderness nor any gross evidence of intraperitoneal fluid were present, and (4) the patient was fairly

(Continued on Page 816)

## Hematoma of the Vulva during Labor

### Case Report

By Harry Kirschbaum, M.D., and  
Lloyd Mallin, M.D.  
Detroit, Michigan

**H**EMATOMA of the vulva occurring spontaneously during labor in a primigravida is one of the rarest of obstetrical accidents. DeLee states that in 64,000 routine cases, only seven cases of large hematomata occurred. Of added interest in the case we are reporting is the fact that the blood loss due to the hematoma was great enough to necessitate transfusion.

### Case Report

The patient, a nineteen-year-old white primigravida, was admitted to the Woman's Hospital at 3:00 A.M. on October 5, 1939, at term and in active labor. Her pregnancy had been uneventful except for slight ankle edema during the last two months. Physical examination at the time of admission to the hospital was essentially negative. The blood pressure was 142 systolic and 84 diastolic. No varicosities of the labia were present. There was no albuminuria.

After eleven hours of labor the cervix was dilated 6 centimeters. Despite hard uterine contractions she made no further progress for seventeen hours, and at 7:00 a.m., on October 6, the fetal heart tones could not be heard. At this time we saw the patient in consultation. She was given morphine gr.  $\frac{1}{4}$  hypodermically. Ten per cent glucose in normal saline was administered intravenously. The labor progressed slowly, and at 3:00 p.m. on October 6, dilatation of the cervix was complete. The duration of the first stage of labor was thirty-six hours.

Concurrent with complete dilatation a rapid swelling of the left labium appeared, forming a mass measuring approximately 3 by 6 cm. During the subsequent thirty minutes the swelling extended from the midline of the perineum to the pubis, reaching a size of approximately 6 cm. in diameter. The mass appeared tense, shiny and bluish in color.

The patient was then taken into the birth room and the skin was incised over the hematoma. A large quantity of freshly clotted blood was evacuated from this mass which extended up to the symphysis pubis. No bleeding vessels were seen. A right medio-lateral episiotomy was performed, and a still-born infant extracted with forceps. The umbilical cord was tightly looped around the baby's wrist and shoulder. Autopsy of the infant disclosed a diaphragmatic hernia and imperforate anus.

The episiotomy was sutured with chromic catgut and

(Continued on Page 827)

# Epidemic Diarrhea of the Newborn

By Rockwell M. Kempton, M.D.

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**D**IARRHEA is the most serious infection which occurs in the newborn period. While the death rate from all causes for infants under one month has shown a reduction over the past fifteen years, it is a disturbing fact that the *diarrheal death rate* for infants under one month has been gradually rising during the same period. Epidemics of diarrhea in newborn nurseries have been reported in all countries, and the condition seems to be on the increase.

There is some question whether epidemic diarrhea of the newborn constitutes a single entity with a specific cause. At the present time it would seem that quite a variety of organisms and perhaps viruses may be responsible for the disease. Nevertheless, this type of diarrhea presents a clinical pattern which is so characteristic and is so highly contagious and has such a high mortality rate that it seems wise to classify epidemic diarrhea of the newborn as a specific disease. The committee of the MSMS studying this problem have defined the disease as follows: "Epidemic Diarrhea of the Newborn is a communicable disease frequently of undetermined etiology occurring in hospital nurseries and characterized by a high fatality rate."

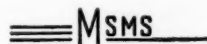
One need only to follow the state and national newspaper reports to become aware of the seriousness of the situation. Epidemics of varying degree break out in hospitals both large and small from one end of the country to the other. No hospital should consider itself immune merely because it has never had the problem to deal with. Tomorrow or next month may be your turn.

It is easy to understand why the danger of this disease seems to be increasing. Modern obstetrics demands that mothers go to the hospital for delivery. That the modern hospital is the safest place for childbirth has been well demonstrated by the constantly falling maternal death rate. Ap-

This is the first of a series of articles bearing on this important subject written by various members of MSMS qualified by their experience to present the various phases of the problem.

proximately 96 per cent of all deliveries in the State of Michigan take place in hospitals. But as the hospitals become more crowded, hazards to the infant are bound to increase and particularly so with regard to the danger of diarrhea.

Every hospital must become aware of the seriousness of this problem so as to avail themselves of the known methods of preventing such outbreaks. Best results are obtained when the chiefs of obstetrics and pediatrics and the hospital administration are in accord regarding nursery policies. It is essential that a room be available for the prompt isolation of any newborn showing diarrheal stools even though the baby may not appear sick. While some perfectly healthy infants may show a tendency to loose stools about the time the stools begin to change from meconium to the fecal type, it is far safer to isolate such infants for a few days until those in charge have assured themselves that the case is not diarrhea. Like fires, it is far better to prevent nursery epidemics than to battle them after they start.



## TV AND RADIO SHOWS FEATURE MICHIGAN MEDICINE

(Continued from Page 714)

often than not taken for granted by their neighbors and patients.

But when they reach out to a wider audience, linked to the doctor by radio or television, one point becomes clear: the layman is eager to gain a better knowledge of medicine—especially when it affects his own life.

The gratifying response to the television and radio shows of MSMS is the proof.

Every media available to the Michigan State Medical Society is being used by its P.R. Department to bring information to the public.

The co-operating Doctors of Medicine, appearing on the television programs, create a highly favorable impression. The viewers see in them the ideals inherent in the medical profession. They recognize that the Doctor of Medicine is not only one who serves but one who is also teacher and friend, close to their lives.

During the twelve-year period, 1937 through 1948, 1,109 patients with nodular goiter were operated upon at Massachusetts General Hospital. The incidence of goiter was 10 per cent in all nodular goiter and 19 per cent in solitary thyroid nodules.

## Maternal Health Committee Report

This case report is submitted by the Maternal Health Committee of the Michigan State Medical Society. This committee is authorized by the Michigan State Medical Society to make an investigation of all maternal deaths in the State of Michigan. The case reports and investigations are submitted to a reviewing committee. The reviewing committee is submitting for publication certain case reports which present information of educational value. The following report is submitted:

A twenty-eight-year-old, white woman, gravida vi, para iv, abortus i, was seen at intervals by her attendant during the pre-natal period. The only unusual observation was the repeated spotting of blood during the first and second trimesters. At eight and a half months of gestation the patient was hospitalized at 1:45 p.m., not in labor, but with evidence of severe exsanguination. She continued to expel bright red blood and clots from the vagina. She was examined by the attendant at 2:30 p.m.; she was not in labor, the skin was pale, the pulse weak, the blood pressure was not taken. The attendant's diagnosis was placenta previa. There was no written observation of the size of the baby, fetal heart tones, condition and state of the cervix. An order for hemoglobin determination, typing, cross-matching, enema, and 4 minims of pituitrin was written. The hemoglobin determination was 22 per cent. The administration of pituitrin was followed by a few painful contractions. At 3:00 p.m. she was described as cold, clammy and her color poor. A second dose of 4 minims of pituitrin was ordered and given at 3:20 p.m.; glucose in water was started intravenously. At 3:25 p.m. an additional 6 minims of pituitrin were given. The bleeding continued excessively and her blood pressure could not be obtained. One hour later, at 4:25 p.m. a manual dilation of the cervix and an internal podalic version and extraction of a 5 pound 12 ounce living boy were done. The infant was very pale. No anesthetic was administered. The placenta was removed manually, and at 4:35 p.m., according to the record, there was no further hemorrhage. At that time she received 1 c.c. of pituitrin intramuscularly, ergotrate gr. 1/320 intravenously and ergotrate gr. 1/320 intramuscularly. At 4:40 p.m. intravenous administration of blood was attempted. Technical difficulty and the collapsed state of the veins prevented the insertion of the needle for twenty minutes. Finally an incision was made and the blood started at 5:00 p.m. Also coramine was given and artificial respiration started. At 5:25 p.m. she was dead.

This maternal death is believed to be preventable and due to failure of adequate replacement of blood loss in a sufficiently prompt fashion. The hospital had no blood bank but a neighboring hos-

pital two miles away had an adequate supply of blood. The use of accouchement forcé has long been abandoned in obstetrical circles. The use of such doses of pituitrin under such circumstances as were present in this instance is considered injudicious. There seems to be no excuse for the conduct of such major complications without adequate consultation and replacement of blood loss.

### DIMERCAPROL IN ACRODYNIA

(Continued from Page 739)

concentrated, and her stools were small and hard. She lost her tooth in the third month of illness.

On admission she weighed 24 pounds 12 ounces, temperature 98.6°, pulse 132, respirations 24, blood pressure 126/80. She was weak, wasted and irritable with moderate photophobia. She had profuse perspiration with wet, cold, red soles and palms. Her conjunctivae, nasal mucous membranes and gums were red and full. The lower right, central incisor was out, and the left was loose. Routine blood, urine and stool examinations were normal. There were 200 gamma of mercury per liter in a twenty-four-hour urine specimen (190 c.c.). Films of the long bones were negative for heavy metal lines.

On the second hospital day she was started on dimercaprol 2.5 mg. per kilogram every four hours for twenty-four hours, then every six hours for forty-eight hours, then twice daily. She improved rapidly. She was sitting alone in three days and had a good appetite by the end of one week. The drooling and perspiration had stopped. On discharge from the hospital on the ninth day she was walking, had no photophobia, and the left lower central incisor had tightened up. She gained 7 pounds 14 ounces, and her blood pressure dropped to 96/60. The patient has remained well since discharge.

### Conclusion

These three patients illustrate the symptom complex of acrodynia, the case of exposure to mercury, and the long, trying illness in the susceptible youngster. In these three infants, as in the other series recently reported,<sup>5</sup> dimercaprol has been uniformly successful.

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*Burns Clinic.*

## Doctors and Dollars

### *A Study of Professional Incomes and Expenses*

By Henry C. Black and Allison E. Skaggs

Battle Creek, Michigan

FOR many years we have had the opportunity to study first-hand the many ramifications of the business side of medicine and from time to time have reported through this JOURNAL some of the results of these studies. Believing our observations of the incomes and spending habits of doctors during the past few years would be especially interesting, we have consented to present them here in two articles, the first covering trends in professional incomes and expenses, and the second, trends in the personal spending and saving habits of doctors in this area.

As many JMSMS readers know from previous articles written for this JOURNAL, our source of information is most confidential as far as individuals are concerned. However, when such accurate figures are presented in averages, they make available the experience of typical successful physicians classified as to size of community, type of specialty, and size of income, without in any way disclosing what would otherwise be privileged information.

Obviously, such a study requires a selection of sources, and to determine year-to-year trends, we elected to eliminate from the averages the figures of all doctors we had not been serving three full years or more, of all doctors who were not already well established three years ago, and of any which unusual circumstances made atypical. This left us with slightly over 300 sets of individual figures, and it might be interesting to note that the group having net professional incomes from \$17,500 to \$22,500 comprised 28 per cent of the total, and the several groups having incomes of less than \$17,500 comprised over 30 per cent of the total. The numerical average net professional income of all groups studied was approximately \$19,000, a far cry from the "fabulous" incomes which the public frequently associates with the practice of medicine!

"Overhead" is a term generally used to describe necessary costs of producing income, and one of the principal expenses making up the doctors'

overhead is the salaries paid to office assistants, secretaries, receptionists, nurses, and laboratory technicians. Every year since 1941 we have made comparisons of the rate of salaries paid in each office we serve. Since 1941 when the average was \$88.50 per month, the rates have increased to an average of \$228.50 per month in 1951. This is an increase of over 150 per cent and amounts to over two and one-half times what was being paid ten years ago.

Due primarily to the war, the big increases came in the first five years of that period (as much as 15 to 20 per cent per year). Increases during 1946-47 were about 10 per cent per year—in 1948-49 less than 5 per cent per year, while in 1950, with the rising inflationary trend, the increases were again almost 10 per cent and the trend may well continue. In spite of this, we believe that capable, well-trained office assistants are still the biggest asset in any office, and compared with other costs are still worth all they receive.

Overheads, in general, have been of more recent significance to us than the relationship of one expense to another. For example, low rents in rural areas are offset by higher automobile expense and more dispensing of drugs. Surprising as it may seem to some, the size of the community has little if any effect on the percentage of overhead to gross income. It might also be stated here again that group practices and medical partnerships (assuming all personal business expenses are included) have almost exactly the same cost to volume ratios as do individual practices.

So far, in the past years, overheads have increased little more than have incomes. Slight increases in gross income per doctor have occurred since 1946 which was the only year since 1938 when the average income per doctor decreased rather than increased.

The present trend of rising costs, particularly office rents, drugs and car expenses may affect the percentage of overhead, but we are inclined to believe that, even though most doctors are trying to keep their fees as low as is reasonably possible, the inflationary trend will show up in incomes about as much as in expenses.

A study of overheads as affected by specialty and size of practice is much more significant. For example, the ratio of overhead to gross income varies in general with the size of the individual doctor's practice. Extremely large practices have

(Continued on Page 830)

# Detroit Surgical Association

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MEETING OF FEBRUARY 26, 1951

## Acute Cholecystitis

LAURENCE S. FALLIS, M.D., and

JAMES BARRON, M.D.

*Division of General Surgery*

*Henry Ford Hospital, Detroit, Michigan*

The varying results noted in the surgical literature on the subject of acute cholecystitis are due in good part to the methods used in selecting cases for study. The clinical and surgical diagnoses often are at variance with the pathological report. In selecting cases of acute cholecystitis for this study we have therefore included only cases showing microscopic evidence of polymorphonuclear infiltration of the gall-bladder wall.

During the decade 1940-1950, 187 such cases were operated upon at the Henry Ford Hospital and of this number almost one-half (47.2 per cent) were not admitted until the attack was of more than forty-eight hours' duration. Thus the time necessary for the preoperative preparation of these patients would place a large number well beyond the seventy-two hours' time limit when surgery could be considered. This, then, is the crux of the matter. Sufficient evidence has accrued to demonstrate that immediate operation can be safely undertaken if the patient is seen within the first forty-eight hours of the attack, but few patients are seen by surgeons during this period. It is our practice to defer operation on patients seen after forty-eight hours has elapsed since the onset of the attack. Since the acute attack in the average patient subsides after seventy-two hours it is obvious that persisting symptoms after this period represent some complication of the attack such as empyema of the gall bladder, associated pancreatitis or impending gangrene of the gall-bladder wall. Cholecystectomy on this group of patients will result in a higher mortality and, above all, a greatly increased morbidity (29.3 per cent of this series).

The adoption of a nonoperative or conservative regimen does not mean that the patient can be left unattended. Frequent careful appraisals of the

situation must be made. Indications for surgical intervention regardless of the age or condition of the patient are persistence of the local tenderness indicating increasing tension on the gall-bladder wall and a leukocytosis of over 20,000 indicating impending gangrene of the gall-bladder wall.

In the majority of patients in whom operation is mandatory and especially in the older age groups and very ill patients the procedure should consist of cholecystostomy performed under local anesthesia. Data supporting this viewpoint was presented by charts and illustrations.

## Vein Ligation for the Prevention of Thromboembolism

GEORGE E. WILSON, M.D., HOMER M. SMATHERS, M.D., and E. A. OSIUS, M.D.

*Veterans Hospital, Dearborn, Michigan*

From 1947 to 1950 inclusive 199 vein ligations were performed on 140 patients who were thought to have venous thrombosis. The superficial femoral vein was ligated 168 times, the common femoral twelve times, the vena cava ten times, the saphenous seven times and the common iliac twice. Fifty-three per cent of the patients were from the general surgical service. In twenty-eight patients venous ligation was accomplished because of the recent occurrence of pulmonary embolus. Pulmonary embolus recurred in five of this group, and in addition appeared nine times following ligation for thrombophlebitis. Ten of these fourteen patients with post ligation embolus had had unilateral superficial femoral vein division, and in three others a clot was removed by suction from above the point of ligation. The one remaining patient in this group of fourteen had had bilateral femoral vein ligation followed in three months by another embolus. Ligation of the inferior vena cava has given freedom from emboli for two years. There were five deaths among these fourteen pa-

tients, two of which could be attributed to the post ligation embolus.

The authors believe that venous ligation is a safe and satisfactory method of preventing pulmonary embolus in patients with thrombophlebitis providing that simultaneous bilateral peripheral ligations are performed, and that the point of ligation is above the position of the thrombus.

### The Use of Whole Thickness Skin Graft in the Repair of Recurrent Pelvic Prolapse

EARL G. KRIEG, M.D.

*Grace Hospital, Detroit*

Recurrent pelvic prolapse which follows conservative repair in expert hands presents a difficult situation. Methods of control that have been employed are (1) a cup pessary, (2) colpocleisis by the LeFort method, (3) total ablation of the vaginal canal. There are objections to all of these especially in the younger age group. A reconstruction which permits conservation of structure and function is to be desired. The author's method, which was described in detail, sought to provide support for inadequate tissues by introducing a full thickness skin graft. This graft is best obtained from the vaginal mucosa as one makes the approach incision, and is then slung on each side from the pubis to the rectum. All possible use is made of remnants of normal supporting structures, to be reinforced by the graft.

Six cases of recurrent pelvic prolapse have been repaired by this conservative method and have been followed from six months to three years. There have been no complications or failures.

### Blood Transfusion Reactions

E. R. JENNINGS, M.D., and O. A. BRINES, M.D.

*Department of Pathology, Wayne University  
College of Medicine & Detroit Receiving Hospital*

In the interval between March 1, 1948, and March 1, 1951, approximately 15,000 blood transfusions were performed at the Detroit Receiving Hospital. During this period 100 transfusion reactions were reported to the laboratory for investigation. Probably this is more than a fraction of the

total number that occurred and one can learn little from the statistics presented as to the true incidence of the various kinds of reactions. For example, only four cases of homologous serum hepatitis came to our attention, a surprisingly small number.

The following is a list of the types of reactions which comprised this group: sixty-two simple febrile reactions, seventeen hemolytic reactions, fourteen allergic reactions and seven reactions due to bacterial contamination of the blood. Of the seventeen hemolytic reactions, three were due to Rh incompatibility (anti-D or anti-Rh<sub>0</sub>). No examples of other Rh antibody production were found to result from blood transfusion. Fourteen reactions were due to incompatibility in the ABO systems. Six were the result of laboratory error while the remainder were caused by mistakes on the wards or in the operating rooms.

The purpose of this communication is to re-emphasize the hazards of blood transfusion and to suggest that, because at present it is impossible to completely eliminate the above described complications, the indication for each transfusion be carefully considered.

### Amputations of the Leg

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HERBERT E. PEDERSEN, M.D.

*Veterans Hospital, Dearborn*

The primary purpose of an amputation is to relieve an incurable dysfunction of an extremity, with the secondary objective of substituting the best possible function in the extremity. This means as long a stump as possible providing it is at a site of election, a good amputation stump, good function of the stump, and the fitting of a good prosthesis.

Two types of amputation were done in the cases reported, below the knee and above the knee. The techniques of both were described and fulfilled the requirements of good amputation stumps as outlined by Le Mesurier in 1943. During the past four and one half years seventy amputations of the leg were performed, twenty-nine below the knee and forty-one above. Fifty-one were done for peripheral vascular disease and nineteen for a variety of causes such as osteomyelitis with non-

union of a fracture site, transverse myelitis, old nerve injuries and bone tumor. There were no deaths within sixty days after surgery. Femoral vein ligation to prevent embolism was done only once and in this instance subsequent pulmonary infarction occurred. There was one other instance of pulmonary embolism which occurred two months after amputation and in association with cardiac decompensation. A tourniquet was used in sixty of the seventy cases. The authors believe that the use of the tourniquet minimizes blood loss, diminishes the element of shock, shortens the opera-

tive time, and makes possible a more meticulous technique. They further believe that there are no harmful effects produced by the temporary ischemia.

Complications were minimal and consisted of delayed healing. Reamputation was necessary six times in below-knee and twice in above-knee amputations, and all were in the vascular group. Considering the large number of elderly patients with complicating cardiac disease and other infirmities a large number were made ambulatory in prostheses.

### MEETING OF APRIL 23, 1951

#### Subphrenic Abscess

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*Receiving Hospital, Detroit, and  
Veterans Hospital, Dearborn*

Thirty-nine cases of subphrenic abscess were analyzed. The average age was forty-seven years and males constituted 85 per cent of the group. Abscesses were located on the right in twenty cases, on the left in fifteen, and bilaterally in four. All cases except one were treated surgically.

Perforated peptic ulcer was the etiological agent in 30.7 per cent of the cases, abdominal trauma (gunshot, stab, and blunt wounds) in 25 per cent, and biliary tract disease in 15.3 per cent. Approximately 25 per cent of the cases followed elective upper abdominal surgery. Abscesses secondary to hepatic abscesses were not included in this series.

Surgical approaches employed were of four types—posterior retroperitoneal (thirteen cases), anterior extra-peritoneal (thirteen cases), transperitoneal (twelve cases), and transpleural (six cases). It was necessary in some cases to drain an abscess more than once. The anterior extraperitoneal approach gave the best results, especially in right suprahepatic abscesses, where in no instance was pus localized to the posterior superior space. It is felt that abscesses localized solely in the latter space are rare; that elevation of the diaphragm or its immobility over such a small space could not be easily de-

tected roentgenologically; and that in most right suprahepatic abscesses involving this space there is a greater simultaneous involvement of the anterior superior space.

Five deaths occurred in thirty-eight operated cases, a mortality rate of 13.1 per cent. However, three of the five were associated with continuing leakage of faulty gastric anastomoses (two total gastrectomies, one subtotal gastrectomy). These deaths cannot be readily charged to the operative procedure employed in draining the subphrenic abscess, and if exclusion of these three cases were allowed, a corrected mortality rate of 5.7 per cent is obtained.

#### LET OUT

*(Continued from Page 716)*

Through all the years, I have never heard a member of the Commission ask any question but, "What's best for the kids?"

But the governor knows best—and so now an osteopath moves in.

There are compensations. I am still Alpena's crippled children chairman, a position I hold proudly, president of the Michigan Society for Crippled Children, a director of the National Society.

There is still much to do, to Keep On Keeping On, as Frank Foley used to say.—Editorial, *The News*, Alpena, May 18, 1951.

# Detroit Physiological Society

ANNUAL MEETING, MAY 17, 1951

## A SYMPOSIUM

### "Chromatography—A Basic New Tool In Medical Research"

#### Survey of Chromatography Techniques, and Specific Application to Problems of Drug Metabolism

ANTHONY J. GLAZKO

*Parke, Davis and Company, Detroit*

Chromatography is usually regarded as a method for the separation of chemical substances by differential absorption. However, mechanisms other than absorption are often involved, such as ion exchange reactions and the partition of solutes between fixed and mobile liquid phases. The earliest approach to column chromatography was reported by Day (1898), who forced crude petroleum through columns of limestone and obtained fractions with different chemical properties. This has more recently been elaborated into a system of "frontal analysis," where each fraction emerging from a column is superimposed on the preceding fractions. Tswett (1906) was responsible for the first cleancut separation of chemical substances. He applied a small amount of a crude extract to one end of a column, and then developed the chromatogram by percolating an organic solvent through the column. Following the development process, the contents of the column could be extruded and the various bands isolated, or the development process could be continued until the bands appeared separately in the solvent leaving the column ("elution development"). A further modification of this technique depends on the addition of a substance to the developing solvent which is more strongly absorbed than the solutes under investigation, with consequent displacement of the less readily adsorbed substances.

Ion-exchange chromatography has found extensive applications in the past few years due to the development of a series of insoluble synthetic resins which behave as acids or bases, exchanging an  $H^+$  or  $OH^-$  for other cations or anions, including acidic and basic compounds of biological importance.

Partition chromatography involves the distribution of solutes between a relatively fixed liquid phase (e.g., water bound to silica gel, starch or cellulose), and a moving liquid phase (e.g., water-saturated butanol). Rapid strides have been made in this field since Martin and Synge (1941) used a silica gel column for the separation of acetylated amino acids, and demonstrated a mathematical relationship between the rate of migration of a given solute and its partition coefficient between water and the developing solvent. This was later extended to paper chromatography by Consden, Gordon and Martin (1944) who modified a system of "capillary analysis" on paper strips described by Schönbein (1861), by using a developing solvent and by keeping the paper in a closed chamber where the atmosphere was saturated with the solvent vapor. This technique has been used extensively for the separation and identification of compounds of biological interest.

In our laboratories, paper chromatograms of urine from human subjects given p-amino salicylic acid (PAS) by mouth revealed the presence of N-acetylated-PAS and the glycine conjugate of PAS as metabolic products. Chromatograms of the glucuronide derivative of chloramphenicol following hydrolysis with  $\beta$ -glucuronidase resulted in the identification of free chloramphenicol and glucuronic acid as hydrolysis products. The technique of paper chromatography is especially useful for rapid qualitative surveys, following which the same solvent systems can be used for partition chromatography on powdered cellulose columns, and larger quantities of material can then be separated and identified.

#### The Levels of the Acids of the Tricarboxylic Acid Cycle in the Tissues of Normal and Diabetic Animals

CHARLES E. FROHMAN, JAMES M. ORTEN, and  
ARTHUR H. SMITH

*Wayne University College of Medicine, Detroit*

The method of Marshall et al (J. Biol. Chem., 179; 1127, 1949) for determining fumaric acid

by partition chromatography on silica gel has been expanded to include other acids of the tricarboxylic acid cycle. This was accomplished by placing the individual pure acids on the column and determining the fraction in which each acid left. The positions of the acids in the eluate were verified by studies of the ultra-violet spectrum of the eluate and by attempted isolations from the eluate. In the present investigation, the concentrations of fumarate, citrate, isocitrate, cisaconitate, lactate, alpha-keto-glutarate, oxalacetate, pyruvate, succinate, and malate were determined in the liver, brain, kidney, blood, and muscle of normal and experimental animals. No significant differences are found between the levels in normal rats fasted for twenty-four hours and in those fasted for seventy-two hours. However, drastic changes in the concentrations of the above acids are found in the tissues of rats made diabetic by an injection of alloxan. In these animals, the concentrations of all the above acids, with the exception of lactate and pyruvate, are decidedly lower. The effect of insulin on the levels of the above acids in the tissues of diabetic animals has also been determined. Insulin is found to reverse the above effect, increasing the levels of the organic acids toward those of the normal. The foregoing data indicate that in alloxan diabetes there may be a block in the breakdown of carbohydrates occurring between pyruvate and the tricarboxylic acid cycle.

#### Chromatography as Applied to the Study of the Intestinal Absorption of Amino Acids

ALINE U. ORTEN, K. KOIZUMI, C. J. FRANCE and C. G. JOHNSTON

*Wayne University College of Medicine*

The starch column chromatographic technique of Stein and Moore (J. Biol. Chem., 176:337, 1948; 178:53, 1949) has been found satisfactory for the separation and quantitative determination of 0.097 to 0.254 mg. quantities of each of fourteen amino acids present in known mixtures. The amino acids are leucine, isoleucine, phenylalanine, methionine, tyrosine, glutamic acid, threonine, aspartic acid, valine, alanine, serine, glycine, arginine and lysine.

The technique involves the use of a starch col-

umn with three different organic solvent systems passed through the column under pressure. The effluent is collected automatically in 0.5 ml. fractions and the fractions individually analyzed for the amino group content by the quantitative ninhydrin procedure of Moore and Stein (J. Biol. Chem., 176:367, 1948).

Permanent Thiry loops of ileum in dogs were prepared by the method of Johnston (Proc. Soc. Exper. Biol. & Med., 30:193, 1932). Water was placed in the loop and the loop contents withdrawn after a half-hour. Such samples were then prepared for chromatographic analysis in such a way that contaminants were removed and flat base-line chromatograms showing no peaks other than ammonia were obtained. These results indicate that intestinal loop contents, so prepared, does not contain contaminants which will interfere with the identification and determination of the fourteen amino acid peaks.

The identical known mixtures of amino acids previously chromatographed were then added to intestinal contents. These were separated and determined quantitatively in the same amounts and with the same degree of accuracy as they were determined from pure solution.

Rates of absorption of equi-molar solutions of amino acids from loops during half-hour periods have been determined on a few amino acids with the following results: DL-Phenylalanine > L-leucine > DL-isoleucine. Preliminary results indicate that DL-valine is absorbed at about the same rate as isoleucine and DL-threonine more slowly than either of these.

In mixtures, the absorption of phenylalanine is always depressed by the presence of leucine and/or isoleucine. The leucine-isoleucine relationship remains constant. The data also suggest that the total amount of amino acid absorbed in a given period of time is relatively constant whether amino acids are present singly or in mixtures.

#### Present Status of Steroid Chromatography in Clinical Research

WILLIAM Q. WOLFSON

*University of Michigan Hospital*

(By title only)

## Present Or Accounted For

After each name in the Roster Number we would like to write "thanks for your help and co-operation." Whenever called upon, you have been either present or accounted for. Many difficult assignments have been successfully completed. The cause of good health and citizenship has been advanced.

Many of you have singled out Mr. Hugh W. Brennaman, our public relations director, for special commendation. In this we heartily concur. He and his staff have worked day and night to preserve the high standards of health care that have always been paramount to the Michigan State Medical Society. We believe that our public relations department has rounded out a central office force, under the able direction of Mr. William J. Burns, our executive director, that is the envy of every other state in the Union.

In the years immediately ahead, we are going to need all the stamina and adroitness we can muster if the causes of freedom are going to be best served.

I know each of you will join with me and the other officers of the Michigan State Medical Society in saying: "Yes, now more than ever before, we will continue to be of help. We want to be present or accounted for."

*CE Humphrey M D*

*President, Michigan State Medical Society*

## *President's*



## *Message*

# Editorial

MICHIGAN STATE MEDICAL SOCIETY ANNUAL SESSION  
GRAND RAPIDS—September 26-27-28, 1951

## HOSPITAL UTILIZATION

THE PROBLEM of increasing and excessive utilization of hospital beds is attracting more attention as the need continues to exceed the supply. The acknowledged shortage of hospital beds and the occurrence of abuses which amount to sabotage of our health resources prompted The Council of the Michigan State Medical Society to recognize this problem, resulting in the editorial in our March JOURNAL. The staff chief who was quoted at this time reports that his hospital noticed an improvement which lasted only a few weeks.

Another hospital, much larger, made a study of its January experiences, and the report has just been received. The hospital is not named, by request. A committee of five prominent members of the staff was appointed by the director. The committee reviewed 1,276 cases admitted during January, 1951. These cases were studied in regard to age, admitting diagnosis, length of stay in hospital prior to surgery, complications, findings at surgery, treatment while in the hospital, discharge diagnosis, and length of stay in the hospital. There were approximately 1,700 "inexcusably used" hospital days.

The committee reports the following facts:

On review of the private cases, the following facts were found:

1. Sixty patients took up 560 hospital days for diagnostic purposes only. The investigative studies on these cases could have been done either at the doctor's office or as out-patient cases. In addition to these, there were sixteen cases or 165 hospital days, that did not require hospitalization for any apparent reason.

2. Sixteen patients took 393 hospital days for x-ray therapy and physiotherapy only.

3. From the evidence on the charts, twenty-four patients took up 133 hospital days in unnecessarily long preoperative preparation.

4. In the same manner, twenty-four patients took up 167 hospital days in apparently unnecessarily long post-operative stay.

5. Twelve medical patients took up 155 apparently unnecessary days in prolonged care for the medical condition.

6. Nine orthopedic cases took up forty-seven hospital days while ambulatory and not apparently needing hospitalization.

7. Some cases were admitted under a false acute diagnosis in order to get the patient into the hospital for a checkup.

The above findings on private cases represents an apparent misuse of approximately 1,700 hospital days for one month, or approximately one-sixth of the capacity of the hospital.

Review of the staff and clinic cases indicated equally bad or worse conditions. One patient operated upon for a chronic appendix used fourteen preoperative hospital days. Four patients admitted only for diagnosis used forty-seven hospital days. The committee found that in eleven cases a total of ninety hospital days could have been saved.

Assigned reasons for long hospital stay have been that prepaid insurance was an influence. That may have been the case in some instances, but records of Michigan Hospital Service show only a fraction of a day difference between prepaid cases and uninsured cases. Such has been the experience for years.

Considering that about 50 per cent of patients in Detroit hospitals are under Blue Cross, and remembering the "inexcusable cases," one can readily understand the high costs of hospitalization.

Michigan Hospital Service paid for 850 needless days in one hospital in one month at an average of about \$23.00 per day. In these particular cases, insurance paid the bill but every cent came out of premiums our patients have to pay. If not insured, they still have to pay and too much. These 1,700 useless days account for about one-sixth of hospital capacity.

All services rendered to patients must ultimately be paid for, and all add up to the increasing costs of "medical care." In final analysis, only a limited amount of money is available, and whatever of that is dissipated makes just so much less to be

## EDITORIAL

applied on the doctor's own bill. As a banker recently remarked, "For a selfish motive, if for no other reason, doctors should conserve their patients' resources."

Because of high costs, rumors of insolvency of Blue Cross and Blue Shield seem to be spreading throughout the State. These are groundless, as we know, but they are disturbing. The plans are ready and willing to render all needed service, even a little on the generous side. If judiciously used, they can do an ever-increasingly better job. It's up to the doctor to hold down unnecessary hospitalization and to build up Blue Cross-Blue Shield—our greatest bulwark against political medicine.

Yes, it's up to us.

### BALANCED ECONOMY

A RETIRED FARMER remarked the other day: "I am sixty-eight. When I was fifty-eight I thought I could retire. I had enough to live on comfortably. I invested seventy-five 100-cent dollars in Government bonds with the promise of one hundred dollars after ten years. What do I get? One hundred dollars, but they are sixty cent ones, and I am worse off than at the beginning. Now at sixty-eight I must go back to work."

Walter L.'s problems affect all of us. Just how shall we invest? Bonds are subject to the fluctuating value of the dollar. The greatest vender of bonds of all time has been the Federal government. Scarcely an hour passes but we hear on the radio: "Invest in Savings Bonds—the safest investment there is."

Government has recognized this difference in value of the dollar and periodically it publishes a "Cost of Living Index." This index is based upon the basic money value of the years 1935 to 1939. The latest index, just published, was 184.5, which means it takes that many dollars to buy what 100 would have bought. Our money has therefore depreciated by just that much.

Labor has been foresighted. Labor has used the cost of living index as basis for increased compensation. Pay rates go up and down a fixed amount per hour commensurate with the index rate. These "escalator clauses" have been accepted and in fact encouraged by Government. Labor is thus recognized, and provided for.

What of the widow and orphan or the retired person with a fixed income and no chance of in-

crease? What of our schools and colleges, dependent on dividends and interest from invested bonds. They are now in trouble to keep going. How about any individual who has been able to save a little along during the years and has invested in Government or other bonds, only to see his returns inadequate because of the high cost of living, or the low purchasing power of the "dollar"?

Can these bonds be restored to the value they had at the time they were purchased. *Yes.* Government and others who issue bonds could materialize the economic facts they are now recognizing, and pay on the cost of living index rate. There would then be no loss, because the number of the paying unit now called a "dollar" would be increased in the same ratio as the cost of living index.

Government economists would object and say that would mean inflation and chaos, but government and industry are doing just that now in respect to labor payments. The claims for recognition by the fixed income groups, or those who have invested their money with anticipation of honest payment are just as reasonable. Government used the money it borrowed, presumably getting full value in the transaction. It owes the same return to its payees.

Is it right and just to pay "dishonest" dollars to the small bondholder, the widow or the dependent to avoid inflation, but to risk the same inflation without hesitation when paying the well-organized pressure groups? It seems we can remember when President Franklin D. Roosevelt vetoed the Veteran's Bonus bill because the two billion dollars called for "would bankrupt the nation." The bill was passed over his veto, and with no bankruptcy. Could it not be possible that this act of readjustment and justice, and re-establishment of large groups of our people in the self-supporting class might turn the economic balance and benefit all of us. There might be inflation, and probably would be, but we would all be in it equally.

### ON THE RUN

Carcinoma of the male breast represents only about 1 per cent of breast cancer and its prognosis is least favorable.

\* \* \*

With the exception of fat necrosis, a tumor involving the skin, with adherence, is nearly always malignant.

\* \* \*

It is unusual for uterine fibroids to produce bleeding in the post-menopausal woman.

# Michigan State Medical Society

## The 86th Annual Session

PANTLIND HOTEL-CIVIC AUDITORIUM

GRAND RAPIDS, MICHIGAN

September 26-27-28, 1951

### *Preliminary Program*

#### WEDNESDAY MORNING

September 26, 1951

##### *First Assembly*

Black and Silver Ballroom, Civic Auditorium

A.M.

- 9:00 "Surgical Measures in the Management of Hypertensive Cardiovascular Disease"  
REGINALD H. SMITHWICK, M.D., Boston, Mass.

- 9:30 "Peptic Ulcer—Complications and Treatment"  
SARA M. JORDAN, M.D., Boston, Mass.

10:00 INTERMISSION TO VIEW EXHIBITS

- 11:00 "Prolonged Labor"  
RALPH A. REIS, M.D., Chicago, Ill.

- 11:30 "Neurodermatitis (Atopic Eczema)"  
STEPHEN ROTHMAN, M.D., Chicago, Ill.

12:00 End of First Assembly

INTERMISSION TO VIEW EXHIBITS

#### —Program of Sections—

#### WEDNESDAY NOON

September 26, 1951

12:45 to 1:30 p.m.

(No luncheon served)

1. DERMATOLOGY AND SYPHILOLOGY  
"Studies on Systemic Disturbances in Recalcitrant Trichophyton Purpurem Infections"  
STEPHEN ROTHMAN, M.D., Chicago, Ill.

#### 2. UROLOGY

"Plastic Procedures for the Treatment of Hypospadias: A Survey of Sixteen Years' Experience"  
AUSTIN I. DODSON, M.D., Richmond, Va.

#### 3. GYNECOLOGY-OBSTETRICS

"Fetal Mortality from Breech Delivery"  
ALBERT H. ALDRIDGE, M.D., New York, N. Y.

#### 4. OTOLARYNGOLOGY

"The Medical Treatment of Ménière's Disease"  
HENRY L. WILLIAMS, M.D., Rochester, Minn.

#### WEDNESDAY AFTERNOON

September 26, 1951

##### *Second Assembly*

P.M.

- 1:30 "Intestinal Obstruction in Infants and Children Due to Congenital Anomalies"  
WILLIS J. POTTS, M.D., Chicago, Ill.

- 2:00 "The Indication for Surgery in the Treatment of Nephroptosis"  
AUSTIN I. DODSON, M.D., Richmond, Va.

- 2:30 "Complete Abdominal Hysterectomy"  
ALBERT H. ALDRIDGE, M.D., New York, N. Y.

3:00 INTERMISSION TO VIEW EXHIBITS

- 4:00 "Physiologic Phenomena Misinterpreted as Rhinologic Disease"  
HENRY L. WILLIAMS, M.D., Rochester, Minn.

- 4:30 "Acute Conditions of the Abdomen"  
CHARLES R. DOYLE, M.D., St. Louis, Mo.

5:00 End of Second Assembly

- 5:00 Discussion Conferences in Surgery, Medicine, General Practice, Dermatology and Syphilology, Pediatrics, Gynecology and Obstetrics, and Otolaryngology (See Page 756)

PRELIMINARY PROGRAM

**WEDNESDAY EVENING**

**September 26, 1951**

**GENERAL (PUBLIC) MEETING**

Black and Silver Ballroom, Civic Auditorium

P.M.

8:30 Officers' Night

to

- 10:00 1. Induction of members of "Fifty-Year Club"  
2. Presentation of Scrolls  
3. Presidential Address  
By C. E. UMPHREY, M.D., Detroit  
4. Biddle Lecture

**3. OPHTHALMOLOGY**

"What's New in Cataract Surgery"

DANIEL B. KIRBY, M.D., New York, N. Y.

**4. PUBLIC HEALTH AND PREVENTIVE MEDICINE**

"Possible Deleterious Effects from Immunization Procedures in Children"

FRANKLIN H. TOP, M.D., Minneapolis, Minn.

**5. GASTROENTEROLOGY AND PROCTOLOGY**

"The Diagnosis and Treatment of Chronic Intestinal Amebiasis"

THOMAS T. MACKIE, M.D., Winston-Salem, N. C.

**6. ANESTHESIA**

"Pharmacology of Thiopental; Renal and Hepatic Function During Anesthesia and Operation."

EMANUEL M. PAPPER, M.D., New York, N. Y.

**THURSDAY MORNING**

**September 27, 1951**

**Third Assembly**

A.M.

9:00 "The Use of the Sex Hormones in Everyday Therapy"  
ALLAN C. BARNES, M.D., Columbus, Ohio

9:30 "The General Preparation of the Patient for Eye Surgery"  
DANIEL B. KIRBY, M.D., New York, N. Y.

10:00 INTERMISSION TO VIEW EXHIBITS

11:00 "Bronchial Asthma in Infants and Children"  
ARTHUR J. HORESH, M.D., Cleveland, Ohio

11:30 "Pediatric Problems Arising from Atomic or Biological Warfare"  
FRANKLIN H. TOP, M.D., Minneapolis, Minn.

12:00 End of Third Assembly

INTERMISSION TO VIEW EXHIBITS

**THURSDAY AFTERNOON**

**September 27, 1951**

**Fourth Assembly**

P.M.

1:30 "Diabetic Coma—Physiology and Treatment"  
ALEXANDER MARBLE, M.D., Boston, Mass.

2:00 "The Diagnosis and Management of Chronic Internal Diseases"  
THOMAS T. MACKIE, M.D., Winston-Salem, N. C.

2:30 "The Principles of Good Clinical Anesthesia"  
EMANUEL M. PAPPER, M.D., New York, N. Y.

3:00 INTERMISSION TO VIEW EXHIBITS

4:00 "Experimental Use of Various Drugs in Hypertensive Complications of Pregnancy"  
N. S. ASSALI, M.D., Cincinnati, Ohio

4:30 "Surgical Infections of the Skin and Fascia"  
CARL A. MOYER, M.D., Dallas, Texas

5:00 End of Fourth Assembly

5:00 Discussion Conferences on Gynecology and Obstetrics, Ophthalmology, Pediatrics, Public Health and Preventive Medicine, Medicine, Gastroenterology and Proctology, Anesthesia, and Surgery (See Page 756)

**—Program of Sections—**

**THURSDAY NOON**

**September 27, 1951**

12:45 to 1:30 p.m.

(No luncheon served)

**1. PEDIATRICS**

"Allergy in Pediatric Practice"

ARTHUR J. HORESH, M.D., Cleveland, Ohio

**2. SURGERY**

"Varicose Veins—Evaluation and Treatment"

CHARLES R. DOYLE, M.D., St. Louis, Mo.

JULY, 1951

**THURSDAY EVENING**

**September 27, 1951**

**STATE SOCIETY NIGHT**

Ballroom, Pantlind Hotel

P.M.

10:30 An evening of entertainment for all registrants, their ladies and guests  
Dancing and Floor Show  
Host: Michigan State Medical Society  
(Admission by card furnished to all registrants)

**ONLY ONE MORE DAY TO VISIT YOUR MANY FRIENDS IN THE EXHIBIT**

## PRELIMINARY PROGRAM

### FRIDAY MORNING

September 28, 1951

#### *Fifth Assembly*

A.M.

- 9:00 "The Differentiation of Dyspnea Caused by Cardiac Disease from Dyspnea Associated with Pulmonary Emphysema"  
RICHARD V. EBERT, M.D., Minneapolis, Minnesota
- 9:30 "The New Versus the Old in the Treatment of Syphilis"  
S. WILLIAM BECKER, M.D., Chicago, Ill.
- 10:00 INTERMISSION TO VIEW EXHIBITS
- 11:00 "Vitamin Therapy in Clinical Practice"  
ELMER L. SEVRINGHAUS, M.D., Nutley, N. J.
- 11:30 "The Neurosurgical Methods for the Relief of Pain"  
JOHN MARTIN, M.D., Chicago, Ill.
- 12:00 End of Fifth Assembly  
INTERMISSION TO VIEW EXHIBITS

## —Program of Sections—

### FRIDAY NOON

September 28, 1951

12:45 to 1:30 p.m.  
(No luncheon served)

1. **PATHOLOGY**  
"Type of Glioma of the Brain in Relationship to Prognosis"  
JAMES W. KERNOHAN, M.D., Rochester, Minn.
2. **MEDICINE**  
"Pulmonary Hypertension"  
RICHARD V. EBERT, M.D., Minneapolis, Minn.
3. **GENERAL PRACTICE**  
"The Use of Estrogens and Progesterone by the General Practitioner"  
ELMER L. SEVRINGHAUS, M.D., Nutley, N. J.
4. **NERVOUS AND MENTAL DISEASES**  
"Physiological Implications of Epilepsy"  
THOMAS V. HOAGLAND, M.D., Detroit, Michigan

### FRIDAY AFTERNOON

September 28, 1951

#### *Sixth Assembly*

P.M.

- 1:30 "Treatment of the Painful Hip"  
WALTER P. BLOUNT, M.D., Milwaukee, Wis.
- 2:00 "Errors in the Therapy of Infectious Diseases in Infants and Children"  
WALDO E. NELSON, M.D., Philadelphia, Pa.

- 2:30 "Peripheral Neuritis"  
JAMES W. KERNOHAN, M.D., Rochester, Minn.
- 3:00 INTERMISSION TO VIEW EXHIBITS
- 3:30 "Mediastinal Lesions"  
OSCAR T. CLAGETT, M.D., Rochester, Minnesota
- 4:00 "Recent Advances in Diagnosis of Heart Disease"  
RAYMOND D. PRUITT, M.D., Rochester, Minn.  
ASSEMBLIES END AT 4:30 P.M.
- 4:30 Discussion Conferences on Medicine, Dermatology and Syphilology, General Practice, Nervous and Mental Diseases, Surgery, and Pediatrics (See below)

## Twenty-One Quiz Periods

WEDNESDAY, SEPTEMBER 26, 1951

5:00 to 6:00 p.m.

**DERMATOLOGY AND SYPHILOLOGY:** Stephen Rothman, M.D., Chicago  
**GENERAL PRACTICE:** Ralph A. Reis, M.D., Chicago  
**MEDICINE:** S. M. Jordan, M.D., Boston, Mass.  
**OBSTETRICS-GYNECOLOGY:** A. H. Aldridge, M.D., New York City.  
**OTOLARYNGOLOGY:** H. L. Williams, M.D., Rochester, Minn.  
**PEDIATRICS:** W. J. Potts, M.D., Chicago  
**SURGERY:** R. H. Smithwick, M.D., Boston and C. R. Doyle, M.D., St. Louis, Mo.

THURSDAY, SEPTEMBER 27, 1951

5:00 to 6:00 p.m.

**ANESTHESIA:** E. M. Papper, M.D., New York City  
**GASTROENTEROLOGY-PROCTOLOGY:** T. T. Mackie, M.D., Winston-Salem, N. C.  
**MEDICINE:** Alexander Marble, M.D., Boston  
**OBSTETRICS-GYNECOLOGY:** A. C. Barnes, M.D., Columbus, Ohio and N. S. Assali, M.D., Cincinnati, Ohio  
**OPHTHALMOLOGY:** D. B. Kirby, M.D., New York City  
**PEDIATRICS:** A. J. Horesh, M.D., Cleveland, Ohio  
**PUBLIC HEALTH & PREVENTIVE MEDICINE:** F. H. Top, M.D., Minneapolis  
**SURGERY:** C. A. Moyer, M.D., Dallas, Texas

FRIDAY, SEPTEMBER 28, 1951

4:30 to 5:30 p.m.

**DERMATOLOGY & SYPHILOLOGY:** S. W. Becker, M.D., Chicago  
**GENERAL PRACTICE:** E. L. Sevringhaus, M.D., Nutley, N. J.  
**MEDICINE:** R. V. Ebert, M.D., Minneapolis, Minn. and R. D. Pruitt, M.D., Rochester, Minn.  
**NERVOUS & MENTAL DISEASES:** T. V. Hoagland, M.D., Detroit  
**PEDIATRICS:** W. E. Nelson, M.D., Philadelphia  
**SURGERY:** W. P. Blount, M.D., Milwaukee, Wisconsin, and O. T. Clagett, M.D., Rochester, Minn.

JMSMS

## PRELIMINARY PROGRAM

### WOMAN'S AUXILIARY

Grand Rapids, Michigan, Sept. 25-26-27, 1951

#### MONDAY, SEPTEMBER 24, 1951

A.M.

- 10:30 President's Report to the MSMS House of Delegates—Pantlind Ballroom  
MRS. OSCAR STRYKER

#### TUESDAY, SEPTEMBER 25, 1951

A.M.

- 9:30 Registration opens—Mezzanine, Pantlind Hotel  
10:30 Finance Committee Meeting—President's Suite

P.M.

- 6:30 Past Presidents' and Secretaries' Club Dinner  
Peninsular Club  
Chairman, MRS. WILLIS DIXON  
6:30 Hospitality Room open to wives of all M.D.s  
Parlors A and B, Mezzanine, Pantlind Hotel  
8:00 Registration closes

#### WEDNESDAY, SEPTEMBER 26, 1951

A.M.

- 9:00 Registration opens—Mezzanine, Pantlind Hotel  
9:00 Organization Breakfast for Retiring and New Directors with President-elect—Schubert Room, Pantlind Hotel  
10:30 Pre-convention Board Meeting followed by General Session—Red Room, Civic Auditorium  
(Compulsory for State Officers, Directors, State Chairmen, County President-elects and Delegates)  
Presiding—MRS. OSCAR STRYKER

Call to order

Invocation—REV. JOHN A. DYKSTRA, D.D.  
Central Reformed Church

Pledge of Allegiance to the Flag  
Leader—MRS. HARRY WEITZ

The Woman's Auxiliary Pledge  
Leader—MRS. MAXWELL SHADLEY

Minutes of the 24th Annual Meeting

MRS. MARTIN BRUTON, Secretary  
Announcements—MRS. FRED C. BRACE,  
Convention Chairman

Address of Welcome—MRS. HAROLD VELD-  
MAN, President of Woman's Auxiliary,  
Kent County

Response for the Convention—MRS. WIL-  
LIAM MACKERSIE, First Vice President  
Woman's Auxiliary, MSMS

Convention Rules of Order—Acceptance

In Memoriam—MRS. C. C. CORKILL

Reports of the Officers:

President-elect—MRS. ROBERT BREakey

First Vice President—MRS. WILLIAM  
MACKERSIE

Second Vice President—MRS. WALTER  
STINSON

Recording Secretary—MRS. MARTIN BRU-  
TON

Corresponding Secretary—MRS. A. M.  
CRAWFORD

Treasurer—MRS. R. M. LEITCH

Report of the Finance Committee—MRS.  
HOMER STRYKER

Report of the Revisions Committee—MRS.  
T. GROVER AMOS

President's Message—MRS. OSCAR STRYKER  
Reports of the County Presidents  
Unfinished Business  
New Business  
Resolutions—MRS. DONALD WRIGHT  
Report of the Registrations and Credentials  
Committee—MRS. JOHN TENHAVE  
Report of Committee on Nominations  
MRS. DONALD WRIGHT  
Election of Officers

P.M.

- 12:30 Auxiliary Luncheon—Kent State Room  
1:30 General Session—Red Room, Civic Auditorium  
3:30 Business adjourned until 9:00 a.m. Thursday  
6:00 Banquet—Kent State Room  
Husbands cordially invited (Dress optional)  
Presiding—MRS. OSCAR STRYKER, President  
Presentation of Convention Chairman—MRS.  
FRED C. BRACE  
Introduction of Guests of Honor:  
O. O. BECK, M.D., President-elect MSMS.  
H. J. HUBBLE, M.D., Chairman, The Council  
ARTHUR ROTHMAN, M.D., Chairman, Advis-  
ory Committee of the MSMS to the Auxil-  
iary  
Address—MRS. HAROLD WAHLQUIST, President,  
Woman's Auxiliary, American Medical Asso-  
ciation

8:00 Registration closes

8:30 Michigan State Medical Society President's  
Night  
Biddle Oration  
Black and Silver Room, Civic Auditorium

#### THURSDAY, SEPTEMBER 27, 1951

A.M.

- 9:00 Registration opens—Mezzanine, Pantlind Hotel  
9:00 General Session—Red Room, Civic Auditorium  
Call to order  
Roll Call  
Announcements

12:00 noon Registration closes

P.M.

- 12:30 Annual Luncheon Honoring Past Presidents  
Kent State Room  
Presiding—MRS. OSCAR STRYKER  
Introductions—ROBERT S. BREakey, M.D., Of-  
ficial Representative, The Council of MSMS  
Announcements  
Speaker—MR. LEE E. BROWN, Assistant to  
General Manager of the American Medi-  
cal Association  
Installation of Officers—MRS. J. EARLE MC-  
INTYRE  
Presentation of gavel—MRS. OSCAR STRYKER  
Address—MRS. ROBERT BREakey  
Adjournment  
3:00-3:30 Post-convention Board Meeting—Kent State  
Room  
Presiding—MRS. ROBERT BREakey  
(Compulsory for all 1951-1952 State Officers, Di-  
rectors, State Chairmen, County Presidents,  
County President-elects)  
10:30 State Society Night—Dance and Floor Show  
Pantlind Hotel

# House of Delegates, 1951

## REFERENCE COMMITTEES, CREDENTIALS COMMITTEE, AND PRESS RELATIONS COMMITTEE

(All meetings of Reference Committees will be held in the Pantlind Hotel, Grand Rapids.)

### Credentials Committee

W. S. Stinson, M.D., *Chairman and Sergeant at Arms*  
Bay City  
J. M. Markley, M.D. .... Pontiac  
D. G. Pike, M.D. .... Traverse City

\* \* \*

### Reference Committees

#### Officers Report

Room 322 (Furniture Capitol Suite)

E. H. Fenton, M.D., *Chairman* .... Detroit  
R. J. Armstrong, M.D. .... Kalamazoo  
S. T. Lowe, M.D. .... Battle Creek  
J. E. Manning, M.D. .... Saginaw  
C. L. Weston, M.D. .... Owosso

#### Reports of The Council

Room 325 (West Michigan Room)

Arch Walls, M.D., *Chairman* .... Detroit  
B. T. Montgomery, M.D. .... Sault Ste. Marie  
Sydney Scher, M.D. .... Mt. Clemens  
D. W. Thorup, M.D. .... Benton Harbor  
J. D. Van Schoick, M.D. .... Hanover  
A. V. Wenger, M.D. .... Grand Rapids

#### Reports of Standing Committees

Room 324 (Furniture Capitol Suite)

S. L. Loupee, M.D., *Chairman* .... Dowagiac  
J. F. Beer, M.D. .... St. Clair  
L. M. Bogart, M.D. .... Flint  
C. L. Candler, M.D. .... Grosse Pointe Woods  
William Westrate, M.D. .... Holland  
T. P. Wickliffe, M.D. .... Calumet

#### Reports of Special Committees

Room 327

E. C. Texter, M.D., *Chairman* .... Detroit  
Douglas Donald, M.D. .... Detroit  
W. A. LeMire, M.D. .... Escanaba  
H. J. Meier, M.D. .... Coldwater  
E. S. Parmenter, M.D. .... Alpena  
N. W. Scholle, M.D. .... Muskegon Heights

#### Constitution and By-Laws

Room 328

R. A. Springer, M.D., *Chairman* .... Centerville  
M. G. Becker, M.D. .... Edmore  
L. T. Henderson, M.D. .... Detroit  
W. B. Mitchell, M.D. .... Grand Rapids  
E. D. Spalding, M.D. .... Detroit  
R. W. Teed, M.D. .... Ann Arbor

#### Resolutions

Room 323 (Directors Room)

B. M. Harris, M.D., *Chairman* .... Ypsilanti  
C. K. Hasley, M.D. .... Detroit  
O. J. Johnson, M.D. .... Bay City  
R. A. Johnson, M.D. .... Detroit  
J. W. Logie, M.D. .... Grand Rapids  
C. W. Oakes, M.D. .... Harbor Beach  
S. A. Stealy, M.D. .... Grayling

## Rules and Order of Business

Room 325

J. E. Livesay, M.D., *Chairman* .... Flint  
E. C. Hansen, M.D. .... Manistee  
C. I. Owen, M.D. .... Detroit

## Legislation and Public Relations

Room 327

E. A. Osius, M.D., *Chairman* .... Detroit  
L. W. Day, M.D. .... Jonesville  
H. C. Hansen, M.D. .... Battle Creek  
R. W. Shook, M.D. .... Kalamazoo

## Hygiene and Public Health

Room 322

O. K. Engelke, M.D., *Chairman* .... Ann Arbor  
R. V. Daugherty, M.D. .... Cadillac  
J. P. Markey, M.D. .... Saginaw  
J. G. Molner, M.D. .... Detroit  
W. R. Young, M.D. .... Lawton

## Medical Service and Pre-payment Insurance

Room 324

G. T. McKean, M.D., *Chairman* .... Detroit  
C. W. Colwell, M.D. .... Flint  
H. L. Gordon, M.D. .... Midland  
O. B. McGillicuddy, M.D. .... Lansing  
R. L. Novy, M.D. .... Detroit  
A. A. Van Solkema, M.D. .... Grand Rapids

## Miscellaneous Business

Room 327

R. V. Walker, M.D., *Chairman* .... Detroit  
J. P. Flanders, M.D. .... Monroe  
D. J. O'Brien, M.D. .... Lapeer  
F. W. Smith, M.D. .... Ovid  
W. F. Strong, M.D. .... Ontonagon

## Special Memberships

Room 222 (Grand Rapids Room)

M. A. Darling, M.D., *Chairman* .... Detroit  
H. C. Hill, M.D. .... Howell  
H. A. Miller, M.D. .... Saline  
G. C. Penberthy, M.D. .... Detroit  
D. R. Smith, M.D. .... Iron Mountain

## Emergency Medical Service

Room 222

J. R. Rodger, M.D., *Chairman* .... Bellaire  
K. B. Babcock, M.D. .... Detroit  
F. A. Weiser, M.D. .... Detroit

## Executive Session

Room 328

W. S. Reveno, M.D., *Chairman* .... Detroit  
L. C. Carpenter, M.D. .... Grand Rapids  
N. J. McCann, M.D. .... Marquette  
A. H. Price, M.D. .... Detroit  
H. W. Wiley, M.D. .... Lansing

\* \* \*

## Press Relations Committee

Press Room, Parlor D, Pantlind Hotel

J. E. Livesay, M.D., *Chairman* .... Flint  
R. H. Baker, M.D. .... Pontiac  
William Bromme, M.D. .... Detroit  
H. F. Dibble, M.D. .... Detroit  
L. Fernald Foster, M.D. .... Bay City

\* \* \*

Stenographer's Office, Red Room, Pantlind Hotel.

JMSMS

# Annual Reports

## ANNUAL REPORT OF THE COUNCIL, 1950-51

The Council had three sessions of eight days and the Executive Committee of The Council convened eight times (to September 23, 1951), a total of eleven meetings up to the 1951 Annual Session of the Michigan State Medical Society. As in past years, all matters studied and recommendations made by The Council's thirty-two Committees as well as the Society's twenty-five Committees and all business of the Society were referred to The Council or its Executive Committee for consideration and action. The "all day" monthly sessions of the Executive Committee have resulted in the expeditious handling of the augmented business of the State Society—but the greatly increased volume of work may necessitate a two-day schedule of the Executive Committee every month in the not too distant future. A total of 131 hours, over sixteen working days of eight hours each—was spent by members of The Council and of the Executive Committee at the 1950-51 meetings, which total does not include the time spent going to and returning from the meetings, scheduled in various parts of the state.

### Membership

Despite the inroads of the so-called "police action" in Korea, which siphoned off scores of doctors of medicine into military service, the membership of the Michigan State Medical Society is at a creditable high. Membership as of July 1 and as of December 31, from 1935 to 1951, are indicated in the following chart:

	1951	1950	1948	1945	1940	1935
July 1 .....	4,647	4,881	4,645	4,425	4,401	3,410
December 31 .....		5,114	4,960	4,686	4,527	3,653

The figures for 1951 include 4,390 Active Members, 111 Emeritus and Life Members, 7 Retired Members, and 113 Associate Members.

An Invitational Membership Campaign was conceived in October by the Michigan State Medical Society and was put into operation in March, 1951; this campaign was augmented by a brochure developed by the MSMS Public Relations Department. Progress results appear to be gratifying, but contacts, especially on the local level, must be maintained in order to achieve a maximum enrollment of every reputable doctor of medicine into the ranks of the county and State Medical Societies. To insure maximum membership, a perfect follow through on the Invitational Membership Campaign must be maintained by the county medical societies at this time and continuously.

### Finances

As in the past, the first item of new business on the monthly agenda of The Council or its Executive Committee is "Study of Monthly Financial Reports." Every thirty days, therefore, the Society's financial picture is reviewed and governing policies established.

The Ernst & Ernst report for 1950 plus the budgets of the Society for 1951 were published in JMSMS, March number, beginning on page 314. Every year, members are invited to acquaint themselves with the financial status of their State Medical Society and to offer suggestions: these always are truly appreciated. As of June 26, 1951, 4,390 members paid Society dues amounting to \$87,725.00. This was on the basis of \$20.00 per member to the General Fund as established by The Council in January, 1951. An equal amount accrued to the Public Education Account for current activities, and \$8,772.50 was set aside in a Building Fund as well as \$6,579.37 in a contingent surplus fund.

The Public Education Reserve program (CAP—Special Committee on Education) which was in operation

during 1949 and 1950 was dissolved at the end of 1950 and these activities are now being continued as a part of the current Public Education program.

A brief financial resume of each of the MSMS activities as of June 26, 1951, is herewith presented:

	On Hand 1/1/51	Income to 6/27/51	Expenses to 6/27/51	Balance on Hand 6/27/51
General Fund .....	\$ 58,268.41	\$103,534.72*	\$ 38,403.22	\$123,399.91
Annual Session (1951) .....		22,980.00	2,388.54	20,591.46
P.G. Institute (1951) .....		11,510.00	8,466.92	3,043.08
The Journal .....		31,454.82	25,107.22	6,347.60
Public Education .....	59,600.98	89,513.50	46,532.75	102,581.73
Rheumatic Fever .....	23,467.55	15,223.15	10,670.23	28,020.47
Totals .....	\$141,336.94	\$274,216.19	\$131,568.88	\$283,984.25

\* Includes allocation to Building Fund and to surplus.

The AMA dues collected by county medical societies and forwarded to the American Medical Association during the six months to June 26, 1951, totaled \$105,972.50. A resume of the financial condition of the Michigan State Medical Society as of August 31, 1951, will be presented to the House of Delegates at its opening session of September 24, 1951—as part of The Council's Supplemental Report.

### The Journal

THE JOURNAL of the Michigan State Medical Society is now completing its fiftieth year of service. It was established in the early years of this century as a better medium of communication between the members of the Society and its officers; also as a much better method of distribution monthly to our members those papers read at the annual session and other meetings rather than just once a year.

The quality of scientific presentation has been uniformly good but we have endeavored to improve it with the years until our book now ranks with the very best of the State journals. It has been used as a means of informing our members of economic and sociologic problems. We have endeavored to make it carry to the members the considered opinions of organized medicine and to have it act as a living postgraduate training. Always THE JOURNAL has defended the theory of private practice of medicine and has opposed bureaucratic or political dominance.

It publishes approximately 1,600 pages each year. For several years each number has been devoted to some particular activity of the profession or the State Society, and the cover page has been designed with a special reference as that specific number.

This present year has continued the same policy. In May of this year, we saluted Michigan's Foremost Family Physician, Lunette I. Powers, M.D., of Muskegon. In the same number we complimented the American Medical Association. We have received several letters of commendation on these two articles.

It is our plan to continue devoting each number of THE JOURNAL to some medical or Society activity and to indicate this activity with specially designed cover pages.

Some of our members have expressed their desire for more scientific editorials, but the Publication Committee and The Council felt we could render the best service to our membership by continuing the fight against National Socialism at every opportunity, and we propose to continue this policy. Any individual or special committee which wishes to publish a scientific editorial is invited to submit it. We have published a few such editorials written by invitation.

## ANNUAL REPORTS—THE COUNCIL

In going over the list of Michigan Firsts, it is gratifying to recognize the number which were first expounded in *THE JOURNAL* and after a few repetitions have been accepted by the profession and made a part of our Society activities.

The editorial staff expresses thanks to The Council and to the Publication Committee and to the many members who have not only helped with very useful suggestions but have been kind enough to express appreciation at what has been done.

### Organization

1. The County Secretaries-Public Relations Conference of January 21, 1951, in Detroit was a springboard which catapulted the Michigan CAP Program into intense state legislative activity. For report on the Michigan Legislative Session of 1951, see Legislative Committee's Annual Report.

2. The past year saw a continuation of the successful press conferences in various Councilor Districts, the most recent being in Marquette on June 22. These friendly meetings with newspaper editors, radio executives, and their family physicians, resulted in mutual understanding and greater co-operation.

3. The Fifth Michigan Postgraduate Clinical Institute was held in Detroit, March 14-15-16, 1951, with a registration of 1,579. Thousands of lines of excellent publicity in Michigan newspapers indicated the public's interest in the deliberations of this scientific graduate meeting and in medicine generally.

4. Joint meetings of Michigan's Delegates to the American Medical Association with the Executive Committee of The Council (held just before the June and December Sessions of the AMA) were continued during the past year. The viewpoint of Michigan's medical profession is expressed to the parent organization at its semi-annual sessions as a direct result of these semi-annual meetings.

Ralph A. Johnson, M.D., Detroit, was elected as the sixth AMA Delegate from Michigan by The Council at its Annual Session last January.

5. G. B. Saltonstall, M.D., Charlevoix, was appointed Councilor of the Ninth District on January 20, 1951, to serve the unexpired term of E. A. Oakes, M.D., Manistee, resigned.

6. The selection of Michigan's Foremost Family Physician was definitely organized by The Council during the past year, so that the choice will be made in future by the MSMS House of Delegates at its Annual Session.

7. The Woman's Auxiliary to the Michigan State Medical Society celebrates its Silver Anniversary in 1951. The April and August numbers of *JMSMS* featured this milestone in the Woman's Auxiliary history; further to commemorate the event, a silver gavel and a scroll will be presented to our ancillary organization at its September, 1951, convention.

8. Organization among the fifty-five component societies continues to be satisfactory. Commendation is again given to certain of the county societies (Calhoun, Genesee, Grand Traverse-Leelanau-Benzie, Ingham, Jackson, St. Clair, Upper Peninsula Medical Society, and Wayne) on their high quality annual scientific postgraduate "clinic days." A continuation of these fine training programs is recommended.

### Public Relations

Powerful blows have been struck against socialized medicine. But even though socialized medicine is down, it is not out. As in the past, the Michigan medical profession's leadership in public relations continued during the past year to blaze the trail in the fight against the advocates of a compulsory health plan.

In addition to an expanded public relations program for 1951, the beginnings made in the previous year of civic action and community leadership under the CAP

plan were augmented. The "Good Citizenship Campaign" was born of necessity for participation by Doctors of Medicine in political life when ominous social influences threatened the health and welfare of the nation.

These were the Public Relations highlights of 1951:

*"Good Citizenship Campaign."*—Basically, this plan followed an American heritage—the right to vote. The "Good Citizenship Campaign," organized in Lansing on May 7, 1950, merely stimulated this freedom by urging maximum registration and voting.

Following were the results of the campaign which ended with the fall election:

(a) Registration and voting: 97.4 per cent of Michigan's Doctors of Medicine registered; 97.3 per cent of the doctors' wives; and 90.4 per cent of their medical assistants went to the polls. This was an increase of nearly 100 per cent over previous registration.

(b) An overwhelming vote in the primary election indicated the success of the "Good Citizenship Campaign," thanks to the outstanding efforts of Michigan Doctors of Medicine and their wives. All major professional and trade organizations in Michigan were urged to develop a "Good Citizenship Campaign," through efforts of MSMS representatives. The large vote was totally unexpected by those who did not know of the organization.

The Michigan State Medical Society Woman's Auxiliary lent splendid assistance to the "Good Citizenship Campaign." Telephone campaigns launched by Woman's Auxiliaries of such counties as Wayne and Kalamazoo very materially aided in getting out the vote.

The "Good Citizenship Campaign" will be continued on a permanent basis as part of the Public Relations Program of MSMS.

*General Public Relations.—Newspapers:* The Michigan State Medical Society co-operated with the American Medical Association in the advertising campaign against socialized medicine. The advertisements were placed in Michigan newspapers and programs and announcements were presented on Michigan radio stations.

Excellent local, state and national publicity resulted from the designation of Lunette I. Powers, M.D., as Michigan's Foremost Family Physician.

An Upper Peninsula press-radio conference was held by MSMS in Marquette on June 23, 1951, as a testimonial to the understanding existing between the medical profession and members of the press and radio in that area.

Many series of articles on the topic of supply of doctors and their services as individuals and in medical organizations were published.

Feature material and news releases were sent out to Michigan daily and weekly newspapers. A splendid return of clippings indicates the co-operation of the editors of these newspapers in publishing these articles.

Special publicity campaigns were conducted for the MSMS Annual Session in September, 1950, and the Michigan Postgraduate Clinical Institute in March, 1951. Last year's Annual Session publicity amounted to 1,469 column inches of space. Fourteen talks were presented over radio, television and before luncheon clubs as well in Detroit. Comparable activity was carried on in connection with the Michigan Postgraduate Clinical Institute and the Industrial Health Day, April 4, 1951.

*Television.*—MSMS entered television for the first time in 1951. Two successful shows are produced each week on Detroit television stations:

"It's Your Life," a half-hour program aired each Sunday noon on WJBK-TV was started December 17, 1950, sponsored by MSMS and the Medical Arts Pharmacy of Detroit. Each week Michigan Doctors of Medicine appear on the show and discuss a variety of topics,

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## ANNUAL REPORTS—THE COUNCIL

always emphasizing the organizational work being done to render greater service.

The second show, "Your Medical Mail Box," began June 27, 1951, on WXYZ-TV. This is a half-hour show and is produced each Wednesday in conjunction with the Bud Lanker program.

A heavy response of letters from both productions point to their popularity.

**Radio.**—Twenty-six radio stations in Michigan now carry the "Tell Me Doctor" program. The series is also used by Florida, North Carolina and Oklahoma and New Mexico is currently interested in obtaining the series. As it nears its 1,500th consecutive broadcast, the show remains the only daily medical program in America.

MSMS plans to conduct four broadcasts each year on a major Detroit radio station to present the medical viewpoint on important topics of public interest.

**Cinema.**—"To Your Health" has been shown in 258 Michigan theaters. "Lucky Junior" has been screened in 295 theaters.

A color film "To Save Your Life" is now in production which will answer antimicrobial propaganda. The film shows the education, expense and sacrifice necessary to become a Doctor of Medicine. It will be used on television and in the secondary schools of Michigan.

**Publications.**—Newsweek of September 18, 1950, complimented the Michigan State Medical Society on its public relations work.

Paul de Kruif, science writer, plans to write an article for *Reader's Digest* on the top-notch co-ordination between practicing doctors of medicine and health men of Michigan.

Oliver W. Lohr, M.D., Saginaw, Michigan, was the subject of a *Saturday Evening Post* article on pathology.

The Medical Associates booklet has been listed for distribution by the Chronicle Press of Moravia, N. Y. Requests have been received from every state in the union as well as from some foreign countries. Schools, colleges and hospitals throughout the state have been using this MSMS pamphlet generously.

A series of articles has been written in JMSMS on public relations. A second series is now being prepared on the "Michigan Firsts."

**Exhibits.**—An exhibit is being developed by MSMS for display at the Michigan State Fair next autumn.

The MSMS exhibit and motion picture was one of the innovations of the Michigan Rural Health Conference on October 20-21, 1950.

Help has been given to county medical societies to display exhibits at county fairs.

The total monetary value of the Public Relations Program from September, 1950, to September, 1951, if figured at commercial rates, has been conservatively estimated at nearly one million dollars.

**Appointments.**—In April, 1951, John B. Kantner was appointed Associate Public Relations Counsel to fill the vacancy created by the resignation of Russell F. Staudacher, who has been employed by the AMA.

Hugh W. Brenneman, Public Relations Counsel, was appointed to a two-year term on the Advisory Board of the AMA Public Relations Department by the AMA Board of Trustees.

**Organizational.**—MSMS assisted other health organizations and associations in setting up plans, services and surveys. The following are highlights of this organizational activity:

(a) MSMS jointly sponsored, with the AMA Council on Medical Service, the National Conference on M. D. Participation in Health Councils. This conference was held in Detroit October 1, 1950, to find ways and means

for gaining greater participation by Doctors of Medicine in Health Councils throughout the country.

(b) The annual report of the Michigan Heart Association credited MSMS with founding the organization. During the year the MHA produced a pamphlet entitled, "Your Heart and the Michigan Heart Association" in addition to a motion picture called "Heart to Heart." The Association has become the leading member of the United Health and Welfare Fund.

(c) Many resolutions were adopted by Michigan organizations against Compulsory Health Insurance, an outstanding example being that of the State Bar of Michigan at its September, 1950, Annual Meeting.

(d) The Michigan Directory of Health Services, prepared by the Michigan Health Council, was presented for the first time at the Michigan Rural Health Conference in October, 1950. This contained a series of pages concerning the Michigan State Medical Society, the county medical societies and the various medical society committees.

(e) The Michigan Health Survey was completed and the information put to good use in connection with legislative activity.

(f) The Health Information Foundation will develop a survey in Michigan through Michigan State College. The Foundation has sought the advice of the Michigan State Medical Society and the Michigan Health Council.

(g) In February, 1951, L. Fernald Foster, M.D., and Hugh W. Brenneman appeared before the National Emergency Medical Service Committee in Chicago to present the plan originated by John R. Rodger, M.D., Bellaire, to use school buses for transporting injured during civil defense emergencies—an idea which has been nationally accepted.

(h) The Directory of the United Health and Welfare Fund agencies was distributed to county medical societies.

(i) A survey of industrial medical care facilities was completed in Michigan by the Brookings Institution with the co-operation of the MSMS through the Michigan Health Council.

**Educational.**—Much work has been done in the public schools by MSMS representatives in a series of presentations to students on the subject of medical service and medical economics.

**Conclusion.**—While a good proportion of PR personnel time was involved in state legislative activity, the basic PR program has not been neglected as is indicated by the report above.

However, both our public relations activity and the legislative work have revealed the necessity for a concerted prolonged effort to develop a high degree of ethical conduct and individual responsibility on the part of both the citizenry and the government if the ideals of the American Way of Life are to prevail, and they must prevail if Medicine is to maintain its freedom.

### Contacts with Governmental Agencies

Scores of contacts with federal and state governmental agencies continues to be an important activity of the Michigan State Medical Society. Chief among these contacts in 1951 were:

1. Michigan Day in Washington, D. C. Following the instruction of the 1950 House of Delegates, The Council again dispatched MSMS representatives to Washington, D. C., last May. Much good-will always results from these personal contacts.

*A recommendation on this subject follows.*

2. Michigan State Board of Registration in Medicine. A joint committee, representative of this Board and of MSMS, created to study proposed changes in the Medical Practice Act, was active during the past year; its suggested amendments may be presented to the Michigan Legislature in 1952.

## ANNUAL REPORTS—THE COUNCIL

3. Michigan Department of Health. The Michigan Health Commissioner attended practically all meetings of The Council and of its Executive Committee during the past year, with the result that mutual problems were solved through early discussion and fine understanding. Important matters presented during the past year included reporting of communicable diseases, phraseology of the new birth certificates, blood typing program, child and maternal health, tuberculosis control, and report on reorganization of state government.

State Health Commissioner A. E. Heustis, M.D., has proved to be a catalyst, binding all in a united effort toward constantly improving public health in Michigan.

4. Department of Public Instruction. The three MSMS Advisory Committees continue to serve the Superintendent of Public Instruction in the work of evaluation of curricula of schools for training of medical aides, diagnostic service for mentally handicapped children, and for G.I. training purposes.

5. University of Michigan. Definite co-operation in two important items marked this past year: (a) an effort to increase the number of medical graduates; and (b) continuation of the medical-socio-economic lectures for seniors. The continuation of the Liaison Committee with the University of Michigan President is recommended.

6. Wayne University College of Medicine. This medical school also co-operated closely with the Michigan State Medical Society in (a) attempts to increase the number of medical graduates and (b) the continuation of the medical-socio-economic lectures for seniors.

MSMS gave generous help and effort to gain additional funds from the 1951 Legislature for a medical science building at Wayne University, which successful effort will aid to increase the number of admissions to this medical school in Detroit (see report of Legislative Committee).

7. Michigan Social Welfare Commission. This agency requested the appointment of an MSMS representative to its advisory committee on medical and health matters. This request was complied with. Representatives of the Commission appeared in person at the Annual Session of The Council to present a plan of postpayment for medical care of recipients in certain categories, which program was approved by MSMS.

8. The Michigan Crippled Children Commission and its Medical Director Carleton Dean, M.D., continued with fine co-operation in 1951. The difficult administrative problems facing the Commission result from the inelastic Acts covering afflicted and crippled children in this State, laws that have been spelled out in such detail that they leave little latitude to the Commission in their administration.

Praiseworthy is the Michigan Crippled Children Commission's helpful work in the Michigan Rheumatic Fever Control Program; the Commission assumes responsibility for rheumatic fever cases in the indigent classification.

9. Contacts with Governor's office. Primary contact was in connection with report to the Governor on increase in number of medical graduates (the Governor's Committee was composed of MSMS Secretary L. Fernald Foster, M.D., Dean A. C. Furstenberg, M.D., and Dean G. H. Scott, Ph.D.); also, in connection with appointments to state boards and commissions dealing with medical and health care.

In May, 1951, the Governor disappointed many friends in the health and medical fields by appointing an osteopath to the Michigan Crippled Children Commission, which appointment was rejected by the State Senate Committee on Business and Rules. (On July 11, the Governor reappointed the same osteopath to the MCCC!)

10. Michigan Civil Service Commission. MSMS completed its survey of medical service in the Michigan State Veterans Facility at Grand Rapids, an assignment requested by the Civil Service Commission last year.

11. Michigan's Attorney General. Several opinions concerning hospital standards and staff memberships (such as at Grandview Hospital in Ironwood) were issued

by Attorney General F. G. Millard shortly after his assumption of office. An opinion directly contrary to that of the Attorney General was rendered by the famous constitutional authority, Dean E. Blythe Stason of Ann Arbor, which opinion was presented to the Attorney General by the Michigan State Medical Society, for appropriate action. As of this writing, the Attorney General's staff is still studying the Stason opinion, so no action can be reported.

12. Procurement and Assignment. This federal activity was begun during the past year, with the follow through being delegated to a special MSMS Committee headed by C. I. Owen, M.D., Detroit, aided by Grover C. Penberthy, M.D., Detroit, Chairman of Michigan Volunteer Advisory Committee, Selective Service System. (See report of Medical Procurement Advisory Committee.)

13. National Emergency Medical Service. Civil defense on a statewide basis was continued during the past year with several mock bombing exercises in the Sault Ste. Marie and Detroit regions. The medical men in these two areas were officially commended for fine co-operation and active support of the exercises.

14. White House Conference on Children and Youth. MSMS representatives were dispatched to cover this Conference and also to assure responsibility for proper follow-through of the medical proposals by the medical profession of Michigan (through active participation in the Conference of Children and Youth in Michigan).

15. "Little Hoover Commission." A staff report to the Michigan Joint Legislative Committee on Reorganization of State Government entitled "Michigan's Health Agencies" (No. 8) recommended that a strong over-all central Office of Health Affairs be established as an executive agency controlling the Department of Health, Hospital Survey and Construction Program, Crippled Children Commission, State Tuberculosis Hospitals, State Mental Health Program (including all State Mental Hospitals) and several other important functions. This tremendous power would be placed in the hands of a State Council of Health consisting of seven persons, to contain not more than three physicians. "No single business or professional group shall constitute a majority of this Council." This phraseology might permit the health affairs of the State to be placed under the control of three osteopaths and four representatives of labor.

*A recommendation on this subject follows.*

16. EMIC Program. The 1951 reincarnation of this unsatisfactory World War II experiment was the subject of discussions by The Council and its Executive Committee at four of its recent meetings. A bill with indemnification features has been introduced into Congress; however, the American Medical Association feels no widespread emergency exists at the present time which warrants setting up a special maternal and infant care program for wives and dependents of servicemen. Progress of this movement will continue to be watched and reported.

### Contacts with Voluntary Agencies and Organizations

1. Michigan Medical Service. During the MSMS Secretaries' Conference of January 21, an achievement award was presented by the President of the Blue Shield Medical Care Plan to Michigan Medical Service in recognition of outstanding service by MMS as the first Blue Shield plan to enroll two million participants.

The \$5,000 family income certificate, subscription rate, etc., of Michigan Medical Service were approved by the Michigan Insurance Department during the past year and are being offered to those groups desiring it.

A meeting with representatives of the Michigan Social Welfare Commission was held by MMS-MHS to study coverage for indigents on an arrangement similar to the Veterans Home Care Program or on an insurance basis. A progress report on this subject will be submitted at the Annual Meeting of Members of Michigan Medical Service; MMS President R. L. Novy, M.D., urges all Delegates to be present at this session scheduled for Tuesday,

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September 25, at 2:00 p.m., Ballroom, Pantlind Hotel, Grand Rapids.

MSMS recommended local public relations meetings to MHS-MMS; it also approved the designation of September, 1951, as "Blue Cross-Blue Shield Month" to inaugurate statewide community enrollment on an individual basis.

2. Michigan Hospital Service. Overutilization of hospital service was thoroughly discussed by The Council at its Annual Meeting in January, 1951. Appropriate warnings were sent to the membership and to hospital superintendents. Our bulwark against socialized medicine (Blue Cross-Blue Shield) will crash unless participating physicians use caution in the unnecessary utilization of hospital and medical service for MHS-MMS subscribers.

3. Michigan Heart Association. In three short years, this organization has assumed high standing in Michigan's medical and health circles, thanks to the fine leadership of W. B. Cooksey, M.D., Detroit, P. S. Barker, M.D., Ann Arbor, Douglas Donald, M.D., Detroit, the first three presidents of the Association.

MSMS is grateful to the Michigan Heart Association for its continued generous grants toward the maintenance of the pioneering Michigan Rheumatic Fever Control Program. It also expresses thanks for contributions to this same life-saving activity received from the Michigan Society for Crippled Children and Adults, Inc., and as well as for co-operative work, among indigents, by the Michigan Crippled Children Commission, previously mentioned.

4. Michigan Health Council. Thirty-four community health councils have been organized throughout Michigan, through the efforts of the MHC under the vigorous leadership of President J. S. DeTar, M.D., Milan, and Secretary E. H. Wiard, Lansing.

The Michigan Health Council is now composed of twenty-one health organizations. During the past year it published a very important Directory of Health Organizations in Michigan, a source manual of value to both health agencies and individual medical practitioners.

MSMS co-operated again with the MHC and with the Michigan Foundation for Medical and Health Education, Inc., in the sponsorship of the annual and very successful Michigan Rural Health Conference, held on the campus of Michigan State College, East Lansing, October 20-21, 1950.

5. American Medical Association. During the past year, MSMS and its officers as well as county medical society officials, have co-operated to the fullest extent in the various projects of the AMA, all of which have been and are to the best interests of health and medicine in this and all states. The MSMS Council expresses appreciation to the AMA for the excellent work it is doing in behalf of the people of this country, especially in bringing forward a public awareness of the advantages and benefits of the voluntary way of medical service.

6. American College of Surgeons. The hospital standardization program of the American College of Surgeons occupied discussion time at every one of the meetings of The Council and of its Executive Committee during the past year. The end result was the drafting of the so-called "Michigan Resolution" which was introduced into the AMA House of Delegates in June, 1951, at Atlantic City, urging that the hospital standardization program be assumed exclusively by the AMA. A summation on the outcome of this resolution will be included in the Report of Delegates to the AMA.

7. Other voluntary groups contacted during the past year include the Michigan Epileptic Clinic, Inc.; the Michigan Diabetes Association; the Arthritis and Rheumatism Foundation, Michigan Chapter; the United Health and Welfare Fund; the State Bar of Michigan; the Michigan Public Health Association; the Michigan Health Officers Association; the Michigan Nursing Center Association; the Michigan Manufacturers Association; the Michigan Tuberculosis Association; the Michigan Insurance Underwriters Association; the American Medical Education Foundation.

### Committees

A total of seventy-six meetings of Committees of the Michigan State Medical Society and of The Council were held during the ten months' period ending July 31, 1951. As stated in the past, the progressive accomplishments attained by your State Society are the result of constant work by these active groups—portrayed in the enlightening and informative annual reports of committees.

True gratitude is expressed to the chairmen and members of all committees for their contribution of invaluable time and sincere effort, given in behalf of all medical practitioners of Michigan.

Especially active during the past twelve months were:

1. The Public Relations Committee and the Special Committee on Education; these two Committees spearheaded the medical profession's program for voluntary health insurance and for the preservation of the American way of life based on the private enterprise system. Co-operating with The Council and its Executive Committee, these two hard-working groups scrutinized carefully—every month—the plans and expenditures of the PR Department (see Annual Reports of these two Committees).

The Council recommends that the Special Committee on Education, a Committee of The Council, be continued for the ensuing year, to aid the more populous Public Relations Committee in its work.

2. The scientific committees especially active in 1951 were: Committee on Rheumatic Fever Control, Maternal Health Committee, Mental Hygiene Committee, Cancer Control Committee, Venereal Disease Control Committee, Tuberculosis Control Committee, Child Welfare Committee, Geriatrics Committee, Iodized Salt Committee, Infectious Diarrhea Committee, the Committee on Atomic and Allied Procedures, and the Industrial Health Committee.

3. The Committee on Postgraduate Medical Education continues to sponsor excellent intramural and extramural courses, the latter bringing modern medicine to the very door of the practitioners of this state. The Committee's latest endeavor is one of co-operation and co-ordination with the postgraduate program of the Medical Society of the State of Wisconsin, in behalf of physicians in the border cities, a most worthy and timely endeavor.

4. A new committee appointed during the past year was the Committee of Ophthalmologists (advisory to the Michigan Department of Health).

5. A statement of policy re MSMS committee actions and publicity was adopted during the past year as follows:

"That the Secretary be instructed to write the Chairman of each Michigan State Medical Society Committee and the Chairman of each Council or Special Committee reiterating The Council policy that:

"1. All committee minutes must be approved by The Council or its Executive Committee before the actions of said committee become the policy of the Michigan State Medical Society;

"2. That publicity on all discussions, decisions and actions by committees and committeemen must be deferred until the minutes have been approved by The Council or by its Executive Committee, and that such publicity must be released only by The Council or its Executive Committee, through the Public Relations Department of MSMS;

"3. That when it is necessary to supplement committees' minutes with oral reports, the Chairman may send official representatives to attend sessions of The Council or its Executive Committee.

"And further, that the Secretary be instructed to notify each committee chairman to transmit this information to each committeeman individually and to emphasize this policy in committee meeting."

### Society Home

New building for MSMS. In June, 1951, final negotiations were completed for purchase of choice property

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at 606 Townsend Avenue, Lansing, to house the executive offices of the MSMS. This building, as indicated previously under "Finances," will adequately house the employees of the MSMS who for years have experienced crowded conditions with resulting loss of efficiency. In the new MSMS "home" the employees will be able to administer the ever-increasing organizational detail with the same energy and enthusiasm as in the past, but in more comfort and with greater satisfaction and dispatch.

### Matters Referred to The Council by 1950 House of Delegates

1. Bargaining of medical services. This problem, which occupied the attention of the 1950 House of Delegates, was adjudicated through the co-operation of the Michigan Manufacturers Association which published a statement in its Bulletin 1745 of December 14, 1950, to all Michigan manufacturers setting forth the opinion that medical services belong to the medical man. The Bulletin stated in part: "In negotiating surgical and medical plans with unions, it is suggested that employers do not agree to any clause which attempts to regulate fees charged by doctors for private medical services . . . Members (of the Michigan Manufacturers Association) should not heedlessly enter into an agreement which may result in embarrassment and difficulties."

2. Committee of Seven to Study Basic Science Law. This Committee was appointed in October, 1950, and submits a report to the House of Delegates.

3. Study of nursing needs. This matter was referred by The Council to the Permanent Conference Committee for recommendations.

4. Development of simplified insurance reporting form. This was referred to a special committee which, after study of actions taken by national and state medical organizations, developed the following resolution for introduction into the AMA House of Delegates in June, 1951:

WHEREAS, In many cases insurance reporting forms of commercial insurance companies are unduly long, require excessive duplication and thus make completion of these forms unnecessarily time consuming; and

WHEREAS, difficulty lies in obtaining co-operation towards shortening these forms by any state medical society due to the national character of the insurance companies; and

WHEREAS, for any state to adopt a uniform reporting form would be unsatisfactory to insurance companies; and

WHEREAS, this problem is not unique to Michigan doctors but is common to all members of the medical profession; therefore be it

RESOLVED, That the Delegates of the Michigan State Medical Society to the American Medical Association be instructed to introduce a resolution requesting the American Medical Association to consider this problem and in collaboration with insurance companies of America to develop mutually satisfactory reporting forms of a more efficient and shortened variety.

The AMA House of Delegates approved this Michigan resolution and invited attention to the fact that certain simplified forms already have been approved by the AMA Council on Medical Service and instructed that copies be supplied to each state medical society.

5. Change in the coroner system. Pursuant to instructions, The Council had a medical examiner bill drafted and introduced into the 1951 Michigan Legislature. The pressure of vested interests against this bill was such that it was not passed by the Legislature. More intensive and sustained educational activity will be necessary before this progressive legislative proposal becomes law. Such educational work should be assumed by a disinterested group, and it is gratifying to note that a recommendation has been made to the State Bar of Michigan by its Medical Jurisprudence Committee that the Bar assume this responsibility. The "Little Hoover Commission" heartily endorses the medical examiner system.

6. Proposed amendment to Chapter 5, Section 5, of MSMS By-Laws. At the 1950 House of Delegates session, an amendment was offered to eliminate the word "consecutive" in Chapter 5, Section 7 (re Life Members). The Reference Committee approved this proposed amendment but also recommended that the same word be omitted from Chapter 5, Section 5 of the By-Laws (re Emeritus Members).

Inasmuch as the MSMS By-Laws in Chapter 8, Section 10-m states that each resolution introduced into the House of Delegates shall be presented in triplicate and referred to the Reference Committee *before action thereon is taken*, The Council feels that the proposed amendment to Chapter 5, Section 5 (which had never been introduced into the House of Delegates, as per the By-Laws provision) might be considered unconstitutional in subsequent years by some parliamentarians.

A recommendation on this subject follows.

7. Changes in Councilor Districts. The recommendation of the 1950 House of Delegates that Clinton County be transferred from Councilor District 6 to District 2 and that Kalkaska County be transferred from Councilor District 9 to District 10 was referred to the county medical societies in these four Districts for approval, in accordance with your instructions.

We respectfully report that replies were received from Hillsdale, Ingham and Jackson Counties (but not from Eaton County) in the Second District, with all three approving; a reply was received from Genesee County (but not from Clinton and Shiawassee) in the Sixth District; Genesee County approved.

No county society in the Ninth District replied.

Bay-Arenac-Iosco, North Central Counties and Alpena-Alcona-Presque Isle County replied in the Tenth District. These three societies objected and stated they desire that Kalkaska be retained in the jurisdiction of the North Central County Medical Society.

To sum up, there is no objection on record against transferring Clinton County from the Sixth District to the Second District; but there are three objections to transferring Kalkaska County from District 9 to District 10.

### Recommendations

The Council respectfully recommends:

1. That MSMS representatives be instructed to continue their yearly visit to Washington, D. C., on the occasion of Michigan Day sponsored by the United States Chamber of Commerce.

2. That the unwise concentration of power in the health field, as recommended in Staff Report No. 8 ("Michigan Health Agencies") to the Michigan Joint Legislative Committee on Reorganization of State Government, be invited by county medical society officers to the attention of all their members to the end that this brain trust proposal be killed and a more democratic approach in administration of the State's health agencies be achieved.

3. That continued active, tangible co-operation with the American Medical Association be maintained by every MSMS member during these parlous times. Strength comes from unity and work.

4. That doctors of medicine throughout the state, especially in the smaller cities, be urged to stagger their half holidays, and that county medical societies be advised that the problem of all doctors taking the same weekly half holiday still exists and all efforts should be made to solve the matter through contacts and publicity to county medical society members.

5. That the 1951 House of Delegates reconsider its amendment to Chapter 5, Section 5 re Emeritus Members, and rescind its action, so that the present provisions re Emeritus Membership (practice for fifty years and membership in MSMS for twenty-five consecutive years) be continued. Emeritus Membership is the highest honor in the hands of the MSMS and its qualifications should be correspondingly high. (This matter has been re-

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ferred to the Committee on Constitution and By-Laws.)

6. That consideration be given to amending the MSMS By-Laws re election of Alternate Delegates (Chapter 8, Section 10-d) in order to eliminate the annual confusion in the House of Delegates when this item of business is presented. (This matter has been referred to the Committee on Constitution and By-Laws.)

7. That consideration be given to amending the By-Laws (Chapter 8, Section 9) so that the Vice Speaker of the House of Delegates is a member of The Council and of its Executive Committee with power to vote; the Vice Speaker is now invited to all meetings of The Council and of its Executive Committee but is not entitled to vote. (This matter has been referred to the Committee on Constitution and By-Laws.)

8. That, if necessary, the MSMS House of Delegates recommend to county medical societies (upon advice of the MSMS Committee on Constitution and By-Laws) that county medical society by-laws be amended to delete any sentence similar to the following: "By virtue of the Charter granted this Society, all active members of this society are automatically members of the Michigan State Medical Society and of the American Medical Association"—inasmuch as the AMA now charges dues and not all members of the county and state medical societies have paid said dues and are not members of the AMA. If this situation applies statewide, the House of Delegates may wish to recommend such a change in the By-Laws of Michigan's component county medical societies, keeping in mind that the Constitution and By-Laws of the AMA transcends those of the MSMS and of any of its component county medical societies. (This matter has been referred to the Committee on Constitution and By-Laws.)

Respectfully submitted,

R. J. HUBBELL, M.D., *Chairman*  
WILLIAM BROMME, M.D., *Vice Chairman*  
L. W. HULL, M.D.  
R. S. BREAKEY, M.D.  
G. W. SLAGLE, M.D.  
J. D. MILLER, M.D.  
R. C. POCHERT, M.D.  
H. B. ZEMMER, M.D.  
L. C. HARVIE, M.D.  
G. B. SALTONSTALL, M.D.  
F. H. DRUMMOND, M.D.  
C. A. PAUKSTIS, M.D.  
A. H. MILLER, M.D.  
W. S. JONES, M.D.  
J. S. DETAR, M.D.  
D. B. WILEY, M.D.  
W. D. BARRETT, M.D.  
W. B. HARM, M.D.  
R. H. BAKER, M.D., *Speaker*  
C. E. UMPHREY, M.D., *President*  
O. O. BECK, M.D., *President-Elect*  
L. FERNALD FOSTER, M.D., *Secretary*  
A. S. BRUNK, M.D., *Treasurer*  
W. E. BARSTOW, M.D., *Immediate Past President*

## Annual Committee Reports

### ANNUAL REPORT OF THE CANCER CONTROL COMMITTEE, 1950-51

The Cancer Control Committee held two meetings during the year, on October 18, 1950, in Grand Rapids and on May 3, 1951 in Jackson. At the beginning of the year details of the committee's work were apportioned to 20 subcommittees and, through a series of monthly letters from the chairman which contained reports of the subcommittees' work, members were kept in touch with all committee activities.

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The high school cancer educational program has received major emphasis during the year. A pilot study has been carried out in the high schools of Emmet, Genesee and Muskegon counties, using a manual of information and suggested classroom activities in preliminary form. At the close of the school year, copies of these manuals were returned to the Committee's office with criticisms and suggestions for consideration in preparation of a manual in permanent form for distribution to all high schools in Michigan. There has been full approval of this program by school authorities in each county where this pilot study has been under way.

Each of twenty-one colleges in Michigan has been queried as to the cancer educational program it carries on. An offer of assistance by the Committee has been made to introduce the subject to the student body where this has not already been done or to extend its use where the subject is being considered. Some, but not all, the colleges have offered co-operation in such programs.

During the year two addresses have been given by the secretary at the School of Public Health, Ann Arbor. He has also addressed more than thirty high school and college audiences, nursing and public groups.

The April, 1951, issue of THE JOURNAL MSMS was again devoted largely to cancer. The leading editorial and most of the signed articles of this issue were prepared by or procured by committee members and were devoted to various phases of the cancer problem.

The Cancer Comment page has appeared regularly throughout the year in THE JOURNAL MSMS.

Through co-operation with the committee, the Michigan Department of Health has financed and distributed copies of the bi-monthly *Cancer Bulletin* to all physicians and hospitals in Michigan since May, 1950.

The Second Michigan Cancer Conference was held in Grand Rapids, October 18, 1950, and was co-sponsored by the Michigan Department of Health and the Michigan Division, American Cancer Society. It immediately preceded the annual meeting of the Michigan Division, American Cancer Society and drew a large attendance of representatives of local cancer units. There were approximately 200 registrations for the conference and included were delegates from practically all statewide health minded organizations.

The program consisted of four papers as follows: "Cancer Control in Michigan" by A. E. Heustis, M.D.; "Physical Examinations in Industry as a Cancer Case Finding Procedure" by C. D. Selby, M.D.; "Cancer Research" by J. R. Heller, M.D.; and "Individual Responsibility in Cancer Control" by Prof. Paul D. Bagwell. The speakers formed a panel for answering questions at the luncheon which followed the morning session. Three of the papers given at this conference were published in the April, 1951, issue of THE JOURNAL MSMS.

The Third Michigan Cancer Conference under the same co-sponsors is scheduled for October 12, 1951. This meeting will be held in conjunction with the annual meeting of the Michigan Division, American Cancer Society.

Interest in the Hillsdale Plan for Tumor Detection remains at a high level throughout the country. Inquiries regarding the Plan from many states and Canada and one from South Rhodesia, Africa, have been answered. In Hillsdale County, the Plan is now in its fourth year with the public interest still maintained at the same level of previous years. Approximately 100 examinations each month are made in physicians' offices with about 3 per cent positive findings, of which 65 per cent of cases are in early and hopeful stages, compared to but 35 per cent of such cases discovered in home or hospital patients.

The committee has co-operated with the Michigan Health Department in stimulating interest in cancer reporting and in organizing cancer registers in as many local areas as possible.

An exhibit on cancer of the lung has been provided for the annual meeting MSMS at Grand Rapids.

In co-operation with the Public Relations Department,

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MSMS, a plan has been developed for publicizing news in the cancer field.

The committee has stimulated additional emphasis on cancer examinations in undergraduate teaching in the two medical schools in Michigan.

The committee was represented at the annual meeting of the Public Health Cancer Association of America in St. Louis, Missouri, in October, 1950, at which a paper was given on "What is a Practical Cancer Detection Program?" (See JMSMS, p. 388, April, 1951); also at the Conference on Chronic Illness in Chicago in March, 1951.

In addition to the appropriation from the MSMS, contributions to the committee's budget have been received from thirty-two local chapters of the Michigan Division of the American Cancer Society. These contributions are gratefully acknowledged.

All inquiries referred to the office of the committee have been answered. Many of these were from high school students in other states, some from as far away as Alabama; also from schools in Michigan, asking for information to use in connection with classroom projects.

All requests for speakers before lay and school audiences have been filled.

Respectfully submitted,  
H. W. PORTER, M.D., *Chairman*  
F. L. RECTOR, M.D., *Secretary*  
N. F. MILLER, M.D., *Advisor*  
H. M. BISHOP, M.D.  
M. R. BURNELL, M.D.  
D. C. BURNS, M.D.  
L. A. CAMPBELL, M.D.  
E. I. CARR, M. D.  
R. C. CONNELLY, M.D.  
M. A. DARLING, M.D.  
H. B. FENECH, M.D.  
L. E. HOLLY, M.D.  
W. A. HYLAND, M.D.  
C. H. KEENE, M.D.  
E. C. LONG, M.D.  
B. E. LUCK, D.D.S.  
H. F. MATTSON, M.D.  
C. C. MCCORMICK, M.D.  
A. B. MCGRAW, M.D.  
H. L. MILLER, M.D.  
J. D. MONROE, M.D.  
H. M. NELSON, M.D.  
H. M. POLLARD, M.D.  
C. J. POPPEN, M.D.  
H. R. PRENTICE, M.D.  
H. L. SIGLER, M.D.  
D. R. SMITH, M.D.  
J. C. VOLDERAUER, M.D.

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### ANNUAL REPORT OF MEDICAL PROCUREMENT ADVISORY COMMITTEE—1950-51

The Medical Procurement Advisory Committee, which was appointed at the last annual session, has been extremely active during the past year and up to the present date has had four meetings. The committee has worked in co-operation with the Volunteer Medical Advisory Committee of the Selective Service System of which Dr. Grover C. Penberthy is Chairman. The Committee members have been faithful in attending meetings and in pursuing problems to which they were assigned. The executive office of the Michigan State Medical Society has been more than generous in its help and advice and its attention to the very necessary details.

The greatest concern of the committee has been with those Doctors of Medicine in priority I and II, there having been no consideration as yet concerning those in priority III.

On a number of occasions, until the Volunteer Medical Advisory Committee was established, this committee made surveys and recommendations for branches of

the Armed forces. The Chairman wishes to thank each member of the Committee for his support and all others who have co-operated so willingly.

Respectfully submitted,

C. I. OWEN, M.D., *Chairman*  
M. J. CAPRON, M.D.  
C. H. FRANTZ, M.D.  
W. H. HURON, M.D.  
E. C. MILLER, M.D.  
G. C. PENBERTHY, M.D.  
J. R. RODGER, M.D.  
H. H. STRYKER, M.D.

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### ANNUAL REPORT OF ADVISORY COMMITTEE TO MICHIGAN STATE MEDICAL ASSISTANTS SOCIETY—1950-51

The only activity in which this committee engaged during this year was to act as advisor on several occasions, ex-officio for the medical assistants. The details that were handled were of minor importance and did not necessitate any committee meeting to handle them. Several representatives were present at the annual meeting in 1950, at which time the following officers were elected and installed:

President: Irma Nelson, Lansing  
President-Elect: Freda Heidelberger, Detroit  
Recording Secretary: Phyllis Marquardt, Kalamazoo  
Corresponding Secretary: Leah Rhodes, Lansing  
Treasurer: Elizabeth Peck, Detroit  
E. A. Osius, M.D., Detroit, was elected honorary member.

Respectfully submitted,

E. A. OSIUS, M.D., *Chairman*  
W. E. BARSTOW, M.D.  
WILLIAM BROMME, M.D.  
A. O. BROWN, M.D.  
R. H. CRISWELL, M.D.  
C. A. PAYNE, M.D.

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### ANNUAL REPORT OF COMMITTEE TO STUDY ADMISSION POLICY AT UNIVERSITY OF MICHIGAN HOSPITAL—1950-51

This committee met with the Director of the University Hospital and representatives of the faculty and administration of the University, to consider problems in relation to admission to the University Hospital.

It was concluded that difficulties have arisen because physicians do not have complete understanding of the necessity to explain to the patient in advance the details of cost of hospitalization. The physician often fails to contact the hospital to arrange for admission. Too often he fails to send a review of previous findings.

It was agreed by all that information on admission policy should be publicized periodically to the members of the Society. This has now been done, and will be done at intervals of six months, by pamphlet and through the pages of THE JOURNAL, Michigan State Medical Society.

Respectfully submitted,

J. S. DETAR, M.D., *Chairman*  
P. A. RILEY, M.D.  
J. JOSEPH HERBERT, LL.B.

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### ANNUAL REPORT OF GERIATRICS COMMITTEE, 1950-51

The Geriatrics Committee held only one meeting during the year, as no formal matters of business were presented to it. Consideration was given to the problem of stimulating better housing facilities for aged persons, of an activities program being started in Detroit among homes for the aged, and of any possible means of co-operating with the Governor's new commission to study

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the problems of the aged. No definite action could be taken on these matter, however, but at any opportune time, the committee feels it is a sufficiently well-informed group to be of service in the geriatrics field. We are still groping for a distinct field of usefulness.

Respectfully submitted,

W. B. COOKSEY, M.D., *Chairman*  
 F. A. WEISER, M.D., *Vice Chairman*  
 W. M. LEFEVRE, M.D., *2nd Vice Chairman*  
 Sidney ADLER, M.D.  
 R. M. ATHAY, M.D.  
 F. W. BASKE, M.D.  
 G. S. BATES, M.D.  
 J. M. BAUER, M.D.  
 WATSON BEACH, M.D.  
 J. W. BECKER, M.D.  
 M. G. BECKER, M.D.  
 J. R. BRINK, M.D.  
 B. B. BUSHONG, M.D.  
 C. D. CAMP, M.D.  
 M. S. CHAMBERS, M.D.  
 R. C. DIXON, M.D.  
 DOUGLAS DONALD, M.D.  
 R. S. DREWS, M.D.  
 C. D. EATON, M.D.  
 D. C. ENSIGN, M.D.  
 R. F. FENTON, M.D.  
 P. C. GITTINS, M.D.  
 N. W. GREEN, M.D.  
 F. J. GUGINO, M.D.  
 I. D. HARRIS, M.D.  
 M. A. HOFFS, M.D.  
 L. E. IRVINE, M.D.  
 F. D. JOHNSTON, M.D.  
 P. B. KILMER, M.D.  
 J. J. LIGHTBODY, M.D.  
 J. D. LITTIG, M.D.  
 W. L. LOWRIE, JR., M.D.  
 MARK MARSHALL, M.D.  
 W. D. MAYER, M.D.  
 W. B. MCINTYRE, M.D.  
 R. J. MENDELSSOHN, M.D.  
 J. M. MURPHY, M.D.  
 C. J. POPPEN, M.D.  
 H. H. RIECKER, M.D.  
 J. G. RUTH, M.D.  
 W. A. SCHAEFER, M.D.  
 F. C. SWARTZ, M.D.  
 N. M. TAYLOR, M.D.  
 MYER TEITELBAUM, M.D.  
 G. C. THOSTESON, M.D.  
 L. E. VERITY, M.D.  
 S. C. WIERSMA, M.D.  
 W. J. WILSON, JR., M.D.

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### ANNUAL REPORT OF COMMITTEE ON INDUSTRIAL HEALTH, 1950-51

The second "Michigan Industrial Health Day" held on April 4, 1951, at the Rackham Building in Detroit was sponsored by the Michigan Association of Industrial Physicians and Surgeons; Wayne University College of Medicine; University of Michigan Medical School and the School of Public Health; Michigan State Association of Industrial Nurses; Michigan Industrial Hygiene Society; Department of Industrial Health of the State of Michigan and the Michigan State Medical Society's Committee on Industrial Health. The success of this meeting would indicate that the "Industrial Health Day" should be continued as an annual event. A banquet followed the day's scientific program and Dr. Lillian Gilbreth of Montclair, New Jersey, gave a fine inspirational address on "The Industrial Worker's Better World." C. E. Umphrey, M.D., president of the Michigan State Medical Society, was toastmaster. At the conclusion of the banquet, the Michigan Association of Industrial Physi-

cians and Surgeons presented thirty-three industrial physicians with silver medallions to commemorate their service of twenty-five years or more in the field of industrial medicine. Grover C. Penberthy, M.D., and Henry Cook, M.D., past president of the Michigan State Medical Society, were among the group so honored.

The Committee on Industrial Health through its subcommittees, as outlined in the 1949-1950 report, has been encouraged by the progress made in introducing more subjects on industrial medicine in the various county medical society programs; the interest shown in industrial medical activities where "in-plant" meetings have been held and the resultant better understanding of the problems involved in the medical care of the industrially employed.

Members of the Committee on Industrial Health attended the Eleventh Annual Congress on Industrial Health at Atlanta, Georgia, in February and the Industrial Physicians Association meeting in Atlantic City in April.

At the Congress on Industrial Health, the Council of the American Medical Association invited the state chairmen of the Committees on Industrial Health to attend their sessions. Thirteen states sent representatives. It was agreed that this innovation should be followed in future meetings because of the opportunity it afforded national and state leaders to discuss mutual problems and programs in the field of industrial medicine.

Respectfully submitted,

M. R. BURNELL, M.D., *Chairman*  
 N. H. AMOS, M.D.  
 A. L. BROOKS, M.D.  
 W. P. CHESTER, M.D.  
 HENRY COOK, M.D.  
 W. A. DAWSON, M.D.  
 E. A. IRVIN, M.D.  
 O. J. JOHNSON, M.D.  
 H. L. KRIEGER, M.D.  
 V. S. LAURIN, M.D.  
 E. F. LUTZ, M.D.  
 N. W. SCHOLLE, M.D.  
 H. T. SETHNEY, M.D.  
 M. W. SHELLMAN, M.D.  
 E. E. WESTON, M.D.  
 A. H. WHITTAKER, M.D.  
 J. L. ZEMENS, M.D.  
 C. D. SELBY, M.D., *Advisor*

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### ANNUAL REPORT OF COMMITTEE ON TUBERCULOSIS CONTROL—1950-51

The Tuberculosis Control Committee met at the Book-Cadillac Hotel, Detroit, on February 6, 1951. The following members were present:

J. W. Towey, M.D., J. A. Cowan, M.D., J. L. Egle, M.D., A. E. Heustis, M.D., R. C. Hildreth, M.D., W. L. Howard, M.D., V. C. Johnson, M.D., C. E. Lemmon, M.D., G. T. McKean, M.D., E. J. O'Brien, M.D., A. E. Price, M.D., C. J. Stringer, M.D. Other: R. F. Staudacher, Associate Public Relations Counsel for the MSMS.

The principal items brought up for discussion before the committee at this meeting were as follows:

1. *Management of recalcitrant tuberculosis patients.* Dr. Cowan, Michigan Department of Health, presented the results of a survey of 19 recalcitrant patients. After some discussion, the motion was passed requesting that Dr. Heustis, State Health Commissioner, confer with the Attorney General to secure his interpretation of the rules and regulations which presently govern the internment of tubercular recalcitrants in suitable institutions.

It was also recommended that this subject be reviewed at next year's meeting of this Committee.

2. *Home care of tuberculous patients.* It was agreed that the material regarding home care of tuberculous patients which was printed and disseminated to every MSMS member last year be repeated in the columns of

## ANNUAL REPORTS—COMMITTEES

THE JOURNAL of the MSMS on several occasions this year.

3. *Proposed revision of Michigan Tuberculosis Laws* was presented to the committee. It was requested that the various committee members send their comments and suggestions with the proposed revision to Dr. A. E. Heustis, State Health Commissioner, and also to the chairman of the Tuberculosis Control Committee.

Respectfully submitted,  
J. W. TOWEY, M.D., *Chairman*  
J. A. COWAN, M.D.  
J. L. EGLE, M.D.  
CAMERON HAIGHT, M.D.  
R. J. HANNA, M.D.  
A. E. HEUSTIS, M.D.  
R. C. HILDRETH, M.D.  
W. L. HOWARD, M.D.  
V. C. JOHNSON, M.D.  
C. E. LEMMON, M.D.  
G. T. MCKEAN, M.D.  
E. J. O'BRIEN, M.D.  
A. E. PRICE, M.D.  
R. A. RASMUSSEN, M.D.  
C. J. STRINGER, M.D.  
G. C. TORNBURG, M.D.  
B. R. VAN ZWALENBURG, M.D.  
A. M. WEHENKEL, M.D.

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### ANNUAL REPORT OF ADVISORY COMMITTEE TO THE NATIONAL FOUNDATION FOR INFANTILE PARALYSIS, 1950-51

At the committee meeting held in October, 1950, the following action was taken:

1. It was requested that all county medical societies appoint local advisory committees to the National Foundation for Infantile Paralysis.

2. The committee recommended that members of medical and public health professions rendering any services which may be paid for by the National Foundation of Infantile Paralysis should not be on the Executive Committee.

3. The committee again reviewed the fee schedule and recommended that the Uniform Fee Schedule for Governmental Agencies as previously adopted and approved by the Executive Committee of The Council continue to be in effect.

Respectfully submitted,  
M. F. OSTERLIN, M.D., *Chairman*  
F. M. ADAMS, M.D.  
E. B. CUDNEY, M.D.  
F. E. CURTIS, M.D.  
A. G. GOETZ, M.D.  
E. E. MARTMER, M.D.  
N. R. MOORE, M.D.  
J. S. ROZAN, M.D.  
H. H. STRYKER, M.D.  
F. P. WALSH, M.D.  
E. A. WISHROPP, M.D.

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### ANNUAL REPORT OF COMMITTEE ON DIABETES CONTROL (Sub-Committee of GERIATRICS COMMITTEE)—1950-51

The purpose of this committee was to co-operate with the Committee on Diabetes Detection of the Michigan State Medical Society as well as the American Diabetes Association. Each county medical society was contacted and asked to appoint a committee on diabetes detection to operate within the area covered by the county society. Most of the counties responded with active committees which carried on the program.

This year the detection program was based on education of the public. Newspaper and radio publicity was used throughout the state to acquaint the public with the symptoms and seriousness of the disease and the advan-

tage of early diagnosis. The individual was urged to consult his family physician for tests to determine the presence of the disease. Many lay organizations about the state were also contacted and devoted part of their programs to diabetes detection. Some of the county societies established Detection Centers in County Health Units and hospitals where a free urinalysis could be done. In the case of a positive test the individual was urged to report to his family physician for further diagnosis.

It is evident to the committee that much more enthusiastic support was evident this last year on the part of the county societies than in previous years for which the committee is duly grateful.

Respectfully submitted,  
W. M. LEFEVRE, M.D., *Chairman*  
SIDNEY ADLER, M.D.  
F. W. BASKE, M.D.  
J. M. BAUER, M.D.  
J. D. LITTIG, M.D.  
W. L. LOWRIE, JR., M.D.  
W. B. MCINTYRE, M.D.  
W. D. MAYER, M.D.  
N. M. TAYLOR, M.D.  
MYER TEITELBAUM, M.D.  
G. C. THOSTESON, M.D.  
S. C. WIERSMA, M.D.

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### ANNUAL REPORT OF COMMITTEE ON BLOOD BANKS—1950-51

During the year, the Blood Bank Committee had no formal meetings. The committee co-operated, however, with the Committee on Atomic and Allied Procedures as well as with the Michigan Pathological Society.

In respect to co-operation with these other two groups, we were asked to determine "The amount of blood and plasma necessary in emergencies such as might be encountered in an atomic bombing." The various members of the Blood Bank Committee were polled for their answers, and largely on the basis of this postal type of meeting an article was written by Doctors Kasper and Kaump which appeared in the Civilian Defense number of THE JOURNAL, Michigan State Medical Society. This article was entitled "Blood Procurement in Time of Disaster."

A further action which was taken was one in which several of the members of the Blood Bank Committee co-operated with the Michigan Pathological Society in instituting a training school for physicians in Blood Procurement at the time of the 1950 meeting of the Michigan State Medical Society in Detroit. At that time a one-day school was held at which time physicians were trained in the techniques of blood typing and cross matching and further a demonstration of blood procurement was set up through the courtesy of the Michigan State Medical Society at the time of its meeting.

This summarizes the activities of this committee for the current year.

Very sincerely yours,  
D. H. KAUMP, M.D., *Chairman*  
W. B. COOKSEY, M.D.  
R. H. HOLMES, M.D.  
A. A. HUMPHREY, M.D.  
H. R. PRENTICE, M.D.

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### ANNUAL REPORT OF SPECIAL COMMITTEE TO MEET WITH MICHIGAN DEPARTMENT OF SOCIAL WELFARE—1950-51

Your Committee met with the Welfare Commission first on November 28, 1950, at which time many problems connected with the medical care for public assistance recipients were discussed. The results were so mutually satisfying that your committee was made a part of a permanent advisory committee to the Department of Social Welfare. As such, we have met with the Com-

## ANNUAL REPORTS—COMMITTEES

mission four subsequent times, at an average interval of six weeks.

The medical and sanitation department of the Boys' Vocational School were inspected and recommendations made for their improvement at one of our meetings. A similar meeting is planned for the Girls' Training School in the near future. The new program of Aid to Disabled was thoroughly discussed and suggestions made to expedite its functions. Similarly, the other categorical assistance programs, such as, Old Age Assistance, Aid to Dependent Children, Aid to the Blind, et cetera, have been or will be, completely reappraised and any necessary changes will be recommended.

The relationship between the Social Welfare Department and your committee has been most cordial and it is unanimously felt that a great deal of good has already been accomplished. It is the desire of the Commission that this committee be continued.

Respectfully submitted,  
G. W. SLAGLE, M.D., *Chairman*  
L. G. CHRISTIAN, M.D.  
WILFRID HAUGHEY, M.D.  
R. J. HUBBELL, M.D.  
MR. W. J. MAXEY

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### ANNUAL REPORT OF COMMITTEE ON VENEREAL DISEASE CONTROL—1950-51

Two regular meetings of the Venereal Disease Control Committee were held during the last year, on December 17, 1950, and May 13, 1951, at the Porter Hotel, Lansing, Michigan. In addition, a special meeting of the Executive Committee was held in Detroit, January 6, 1951, and a social meeting of the committee was held at "Flash Light Bend" on the Au Sable River as the guests of Dr. R. S. Breakey on July 7-8, 1951. Attendance at the meetings has been very satisfactory.

At the December meeting, Rule 20 of the Michigan Department of Social Welfare governing the taking of blood tests on pregnant women in maternity homes and hospitals was discussed. It was recommended that Rule 20 be discussed by the agencies concerned before the Executive Committee of the Venereal Disease Control Committee at a future date and referred back to the Committee as a whole. Dr. Cowan reported on the excellent education program at State Fairs which reached approximately 128,000 people during 1950.

The Executive Committee of the Venereal Disease Control Committee met at the Book-Cadillac Hotel, Detroit, on January 6, 1951, with Dr. L. G. Christian and Mr. Maxey representing the Michigan Social Welfare Department, Drs. Heath and Pearse representing the Wayne County and MSMS Maternal Aid Committees, Drs. Anderson and Heustis representing Detroit and Michigan State Health Departments, and William J. Burns as Executive Director of MSMS. It was recommended that the licensing of maternity homes and maternity departments of hospitals be transferred from the Michigan Social Welfare Commission to the Michigan Department of Health and that there is no need to change Rule 20 at the present time.

At the meeting of May 13, 1951, it was moved that a booklet entitled "The Diagnosis of Syphilis by the General Practitioner" be sent to all doctors of medicine in Michigan. It was also recommended that reprints of the article "Penicillin Treatment of Syphilis" be included with this booklet.

A pilot study emphasizing the control of infectious syphilis was approved with the suggestion that the study be made in Muskegon and Berrien Counties.

It was recommended that a letter be sent to the secretaries of all county and district medical societies stating that the Venereal Disease Control Committee is eager to furnish speakers on the diagnosis and treatment of venereal disease.

A sub-committee consisting of Drs. Curtis, Keim, and Jeffries was appointed to arrange a television program over WJBK on venereal disease control in the near future.

JULY, 1951

Dr. Breakey was appointed to work up material on the accomplishments of the V.D. Control Committee for Paul deKruif's future article on Health Work in Michigan for the *Reader's Digest*.

Dr. Roy Holmes was congratulated for the effectiveness of his meaty reminders of venereal disease that have appeared in the JMSMS and requested to prepare four post cards along similar lines for distribution during the coming year.

Respectfully submitted,  
L. W. SHAFFER, M.D., *Chairman*  
R. S. BREAKEY, M.D.  
H. B. BENNETT, M.D.  
J. A. COWAN, M.D.  
R. C. CROWELL, M.D.  
A. C. CURTIS, M.D.  
L. O. GEIB, M.D.  
E. A. HAND, M.D.  
RUTH HERRICK, M.D.  
R. H. HOLMES, M.D.  
BENJAMIN JEFFRIES, M.D.  
H. L. KEIM, M.D.  
E. S. PARMENTER, M.D.  
G. E. SANDS, M.D.  
D. E. SILER, M.D.  
FRANK STILES, M.D.

### HAVE YOU MADE YOUR HOTEL RESERVATIONS?

Michigan State Medical Society

86th Annual Session

Grand Rapids, September 26-27-28, 1951

As very few singles are available, registrants are requested to co-operate with the Committee on Hotels by sharing a room with another registrant.

Committee on Hotels, Michigan State Medical Society,  
c/o E. J. Brunette, Secy.  
Pantlind Hotel, Grand Rapids, Michigan

Please make hotel reservation(s) as indicated below:

Hotel.....(1st choice)

Hotel.....(2nd choice)

.....Single Room(s)

.....Double Room(s) for.....persons

.....Twin Bedded Room(s) for.....persons

Arriving September.....hour.....A.M.....P.M.

Leaving September.....hour.....A.M.....P.M.

(Names and addresses of all applicants including person making reservation.)

Name Address City State

.....

.....

.....

.....

Date..... Signature.....

Address..... City.....

# Michigan State Medical Society

## Roster 1951

(Special Memberships are indicated as follows: "E" for Emeritus Members; "L" for Life Members; "R" Retired Members; "A" for Associate Members; all others are Active Members)

### Allegan County

Brachman, A. P.	Allegan	Medill, Wilbur C.	Plainwell
Brown, Lewis F.	133 E. Allegan Street, Otsego	Miller, K. C.	Saugatuck
Brunson, Eugene T.	Ganges	Ramseyer, Gladwin E.	Plainwell
Chase, Walter E.	Martin	Rigterink, G. H. (L)	Hamilton
Corkill, C. C.	Douglas	Rummell, Robert J.	Fennville
Dickinson, Clyde A.	Wayland	Schneider, H. E.	Allegan
Flinn, C. C. (L)	251 Marshall Street, Allegan	Stuck, O. H.	101 Farmer Street, Otsego
Goude, A. G.	Hopkins	Van Der Kolk, Bert	Hopkins
Hudnutt, Orrin D.	Plainwell	Van Ness, J. H. (L)	326 Cutter St., Allegan
Johnson, E. B.	144 Brady, Allegan	Vaughan, W. R.	Plainwell
Kromer, Robert A.	Wayland	Wiseman, Bertha C.	Box 177, Allegan
Mahan, James E.	Allegan		

### Alpena-Alcona-Presque Isle Counties

Arscott, Edward F.	Rogers City	Nesbitt, Wm. E.	312 Second Avenue, Alpena
Bunting, John W.	110 N. First Ave., Alpena	O'Donnell, Francis J.	312 E. Chisholm St., Alpena
Burkholder, Harry J.	Alpena State Savings Bank, Alpena	Parmenter, E. S.	Alpena
Constantine, A. E.	Harrisville	Purdy, John W. (L)	333 Washington Ave., Alpena
Finch, Donald E.	Onaway	Ramsey, Jac A.	312 E. Chisholm St., Alpena
Foley, A. L.	Rogers City	Ries, Robert C.	Rogers City
Foley, E. L.	Alpena	Riker, John L.	Peoples State Bank Building, Alpena
Hier, Edward A.	703 S. 8th Ave., Alpena	Rowell, Wilfred J.	Alpena General Hospital, Alpena
Hoak, Carl	Alpena General Hospital, Alpena	Spens, James E.	Professional Building, Alpena
Hodges, Roy W. (L)	Atlanta	Trudeau, J. M.	U. S. Army Hospital, Camp Cooke, Calif.
Jackson, William P.	Rogers City	Wagoner, Darwin E.	Lincoln
Kessler, Harold	312 E. Chisholm St., Alpena	Wieniewski, Theophile W.	811 Chisholm, Alpena
Leopard, Jack M.	312 E. Chisholm St., Alpena		

### Barry County

Bernard, Prosper G.	Route 1, Delton	Lofdahl, Stewart	Nashville
Birk, Wilbur R.	Hastings	Logan, Wesley G.	City Bank Bldg., Hastings
Clarke, Daniel M.	304 S. Jefferson, Hastings	Lund, C. A. E.	Middleville
Finnie, R. G.	118 E. Walnut St., Hastings	Morris, Edgar T. (L)	26 S. Main St., Nashville
Gwinn, Alexander B.	City Bank Building, Hastings	Phelps, Everett L.	118 E. Walnut St., Hastings
Harkness, Robert B. (L)	Kennett Square, Pa.	Pryor, R. B.	Hastings
Keller, Guy C. (L)	302 W. Green St., Hastings	Wedel, Herbert S.	304 S. Washington, Hastings

### Bay-Arenac-Iosco Counties

Alcorn, Kent A.	305 Davidson Bldg., Bay City	Kessler, Mana	201 Shearer Bldg., Bay City
Alcorn, Marshall	305 Davidson Bldg., Bay City	Kessler, Saba	201 Shearer Bldg., Bay City
Allen, Arthur D.	101 W. John St., Bay City	Knobloch, Howard T.	605 Fifth Ave., Bay City
Asline, J. Norris	207 Walnut St., Essexville	Lambert, Leslie A.	East Tawas
Austin, Justus J.	513 W. Bay, Tawas City	Loftin, Robert L.	City Hall, Bay City
Ballard, W. R. (E)	2000 Fifth St., Bay City	MacPhail, J. C., Lt. Comm. (M)	2819 Marlboro St., Norfolk, Va.
Boulton, Arthur O. (E)	Gladwin	MacRae, L. Douglas	813 Sherman St., Bay City
Brown, George M.	207 N. Walnut, Bay City	McDonnell, Walter R.	Pinconning
Campbell, J. S.	704 N. Jackson St., Bay City	McEwan, John H.	307 Davidson Bldg., Bay City
Chapin, Frederick J.	101 W. John, Bay City	Medvezky, Michael J.	1614 22nd St., Bay City
Connelly, C. James	1104 S. Madison, Bay City	Miller, Edwin C.	101 W. John St., Bay City
Cook, Hugh K.	803 N. McLellan, Bay City	Mitton, Orland W.	East Tawas
Cosens, Stanley A.	101 W. John, Bay City	Moore, George W. (L)	200 N. Barclay, Bay City
Crissey, Robert R.	101 W. John St., Bay City	Moore, Neal R.	704 N. Jackson, Bay City
Criswell, Robert H.	407 Phoenix Bldg., Bay City	Mosier, Dwight J.	101 W. John St., Bay City
Dardas, Michael J.	605 Fifth Ave., Bay City	Pearson, Stanley M.	101 W. John St., Bay City
De Waele, Paul L.	1106 N. Johnson St., Bay City	Reed, William S.	1705 1/2 Third St., Bay City
Dolbee, Malcolm	Sanford Bldg., Standish	Reuter, Clarence W.	Allen Clinic, Bay City
Drummond, Fred H.	Kawkawlin	Roberts, Frederick J.	Chevrolet Motor Co., Bay City
Dumond, Vanny H.	230 Shearer Building, Bay City	Schuele, J. M.	Au Gres
Fisher, Robert E.	900 N. Jackson, Bay City	Shafer, Harold C.	101 W. John St., Bay City
Foster, L. Fernald	919 Washington, Bay City	Sherman, R. N. (R)	Bradenton Beach, Florida
Freel, John A.	1711 Center Ave., Bay City	Smith, J. Campbell	101 W. John St., Bay City
Gamble, William G., Jr.	2010 Fifth Ave., Bay City	Staley, Hugh O.	Omer
Groomes, Charles	Box 473, Reno, Nev.	Stinson, Walter S.	101 W. John St., Bay City
Grosjean, J. C. (L)	1214 McKinley Ave., Bay City	Tarter, Clyde S.	1712 Center Ave., Bay City
Gunn, Robert P.	810 Germania, Bay City	Taylor, R. S.	900 N. Jackson, Bay City
Hagelshaw, G. L.	101 W. John St., Bay City	Tompkins, D. A., Lt. (M)	U.S.M.C. (Med.), Parris Island, S. C.
Hess, C. L.	General Delivery, Roscommon	Urmston, Paul R.	303 Davidson Bldg., Bay City
Heuser, Harold H.	207 Davidson Bldg., Bay City	Vail, Harry F.	1942 Woodside, Bay City
Horowitz, S. Franklin	904 N. Madison Ave., Bay City	Warren, E. C. (E)	1100 Fifth, Bay City
Huckins, Edward S.	436 Cass Ave., Bay City	Wilcox, James W.	1115 Fifth Ave., Bay City
Huckins, Rodger S.	436 Cass Ave., Bay City	Wilson, Thomas G.	900 N. Jackson, Bay City
Hughes, E. C. (L)	919 Washington, Bay City	Wittwer, E. A. (L)	107 North Erie St., Bay City
Husted, F. Pitkin	302 Davidson Bldg., Bay City	Woodburne, H. L.	Davidson Bldg., Bay City
Jacoby, Abe H.	2202 Ninth St., Bay City	Wright, T. B.	101 W. John, Bay City
Jens, Otto F.	1106 Prairie, Essexville	Zaremba, Aloysius J.	108 S. Madison Ave., Bay City
Johnson, Orlen J.	207 N. Walnut, Bay City	Ziliak, A. Lawrence	707 N. Lincoln, Bay City
Jones, Culver	900 Jackson Ave., Bay City		

# ROSTER

## Berrien County

Anderson, Bertha.....262 Pleasant St., Benton Harbor  
 Anderson, H. B.....Watervliet  
 Bailey, John.....204 Fidelity Bldg., Benton Harbor  
 Bliesmer, A. F.....2208 Lakeview, St. Joseph  
 Bronfenbrenner, Jack.....84 W. Main, Benton Harbor  
 Burrell, H. J.....Fidelity Bldg., Benton Harbor  
 Butler, W. J.....Peoples State Bank Bldg., St. Joseph  
 Cawthorne, H. J.....239 Pipestone, Benton Harbor  
 Coffelt, Carl F.....St. Joseph  
 Conklin, Frederick.....Berrien Center  
 Conway, Joseph.....Watervliet  
 Conybeare, R. C.....Fidelity Bldg., Benton Harbor  
 Cowdery, K. H.....1600 Niles, St. Joseph  
 Crowell, Richard C.....16 Peoples State Bank Bldg., St. Joseph  
 Eidson, Hazel.....Berrien Springs  
 Elliott, J. Colin.....207½ E. Front St., Buchanan  
 Emery, Clayton S.....St. Joseph  
 Faber, Michael.....209 State Bank Bldg., Benton Harbor  
 Fattie, G. R., Jr.....P. O. Box 234, Niles  
 Feeley, M. J.....505 Pleasant St., St. Joseph  
 Friedman, Morris E.....Box 87, New Buffalo  
 Frost, Robert J.....St. Joseph  
 Garrett, Evan L.....204 Starr Building, Niles  
 Gillette, Clarence H.....Niles  
 Harper, Ina M.....190 Michigan Ave., Benton Harbor  
 Harrison, L. L.....304 Main St., Niles  
 Hart, R. T.....P. O. Box 209, Niles  
 Helkie, William L. (E).....203 S. Ironwood Dr., South Bend, Ind.  
 Henderson, Fred.....107 N. Second, Niles  
 Hershey, N. J.....107 N. Second, Niles  
 Holt, Robert E., Jr.....107 North Second, Niles  
 Huff, H. D.....Niles  
 Irgens, Edwin.....11 Peoples State Bank, St. Joseph  
 Kelsall, H. I.....1600 Niles, St. Joseph  
 King, B. B.....210 Fidelity Bldg., Benton Harbor  
 King, Frank A., Jr.....Fidelity Bldg., Benton Harbor  
 Kloss, H. J.....Mercy Hospital, Benton Harbor

Landgraf, R. L.....107 N. Second St., Niles  
 Lawton, Clare V.....Fidelity Bldg., Benton Harbor  
 Leva, John B.....Fidelity Bldg., Benton Harbor  
 Lindenfeld, Frederick H.....8 N. St. Joseph, Niles  
 Lininger, R. E.....Dept. of Path., Mercy Hosp., Benton Harbor  
 Litvin, L. E.....Berrien Springs  
 Louisell, C. T.....College Ave., St. Paul, Minn. (A)  
 Louisell, James.....Eau Claire  
 Manning, John.....St. Joseph  
 McNabb, Arthur A.....Watervliet  
 Miller, E. A.....Berrien Springs  
 Mitchell, C. A. (L).....444 Pipestone, Benton Harbor  
 Moore, T. Scott.....Niles  
 Ozeran, Charles J.....98 Water Street, Benton Harbor  
 Parker, L. B.....Berrien Springs  
 Polansky, Sanford.....West Main St., Benton Harbor  
 Porter, Charles B.....170 Wall St., Benton Harbor  
 Pritchard, Harold M.....12 N. Fourth St., Niles  
 Rague, Paul O.....Mercy Hospital, Benton Harbor  
 Ray, D. K.....St. Joseph  
 Reagan, Robert E.....190 Michigan St., Benton Harbor  
 Rice, F. A.....318 N. Fourth St., Niles  
 Rice, Franklin G.....324 N. Fourth St., Niles  
 Richmond, D. M.....314½ State St., St. Joseph  
 Ruth, J. Griswold.....190 Washington, Benton Harbor  
 Sowers, Bouton F.....Fidelity Bldg., Benton Harbor  
 Strayer, John W.....107 N. Second St., Niles  
 Strick, Marvin H.....311 Fidelity Bldg., Benton Harbor  
 Swingle, Alvin J.....84 W. Main, Benton Harbor  
 Thorup, Don W.....610 Fidelity Bldg., Benton Harbor  
 Tompkins, C. E.....680 Pipestone, Benton Harbor  
 Urist, Maurice D.....454 Pipestone, Benton Harbor  
 Waterson, Roy S.....Niles  
 Westervelt, H. O.....539 Pearl Street, Benton Harbor  
 Winegar, Alvon C.....Medical Arts Bldg., Benton Harbor  
 Woodford, Hackley E.....191 Michigan, Benton Harbor

## Branch County

Aldrich, Napier S.....162 Marshall St., Coldwater  
 Andrews, Frank A.....Box 148, Coldwater  
 Bailey, J. E.....73 W. Chicago, Coldwater  
 Beck, Perry C.....235 N. Walker St., Bronson  
 Bien, W. J.....2 W. Chicago, Coldwater  
 Culver, Bert W.....72 Division, Coldwater  
 Culver, Dean T.....78 Division, Coldwater  
 Fraser, R. J.....22 W. Pearl St., Coldwater  
 French, Merle R.....35 South Sprague St., Coldwater  
 Gomley, Henry C.....108 E. Chicago, Bronson  
 Johnson, D. B.....Coldwater  
 Leitch, R. M.....304 N. Broadway, Union City

McLain, R. W. (L).....108 Arthur St., Battle Creek  
 Meier, H. J.....87 W. Pearl St., Coldwater  
 Mooi, H. R.....72 W. Chicago St., Coldwater  
 Olmstead, Kenneth L.....131 N. Hanchett St., Coldwater  
 Rees, Kendall B.....Box 148, Coldwater  
 Rennell, E. J.....Box 148, Coldwater  
 Slosser, Paul.....Tekonsha  
 Thomas, J. A.....18 N. Monroe St., Coldwater  
 Wade, R. L.....116 E. Chicago, Coldwater  
 Walton, N. J.....61 E. Chicago St., Quincy  
 Weidner, H. R.....50 Division St., Coldwater

## Calhoun County

Albright, Arnold A., Col., MC (A).....Percy Jones General Hospital, Battle Creek  
 Amos, Norman H.....1704 Wolverine Tower, Battle Creek  
 Anderson, Harold E.....501 Post Bldg., Battle Creek  
 Barden, Stuart P.....Leila Y. Post Montgomery Hosp., Battle Creek  
 Baribeau, Roy H.....531 Post Bldg., Battle Creek  
 Becker, Harry F.....Route 3, Box 303A, Battle Creek  
 Berwald, Herbert T., Col., M.C. (A).....Percy Jones Hospital, Battle Creek  
 Beuker, Herman.....120 E. Michigan Ave., Marshall  
 Bodine, Harold R.....1506 Security Bank Bldg., Battle Creek  
 Bonifer, Philip P.....1008 Wolverine Tower, Battle Creek  
 Bonzelaar, Marvin, Lt., M.C. (A).....Percy Jones Hospital, Battle Creek  
 Brainard, C. W.....1002 Security Bank Bldg., Battle Creek  
 Brown, C. R., Lt. Col., M.C. (A).....Percy Jones Army Hospital, Battle Creek  
 Brown, Robert W.....1206 Security Bank Bldg., Battle Creek  
 Calloway, N. O., Maj., M.C. (A).....Percy Jones Army Hospital, Battle Creek  
 Campbell, A. F.....103 E. Mulberry St., Albion  
 Campbell, Richard J.....1106 Central Tower, Battle Creek  
 Capron, Manley J.....618 Post Bldg., Battle Creek  
 Chandler, Edward M. (A).....Leila Hospital, Battle Creek  
 Chynoweth, W. R.....207 Post Bldg., Battle Creek  
 Cooper, J. E. (L).....298 W. Van Buren, Battle Creek  
 Curry, Robert K.....Homer  
 Custer, H. B. (A).....Leila Hospital, Battle Creek  
 Diamante, Paul J. (A).....26 Maryland Drive, Battle Creek  
 Dickson, A. R.....1002 Sec. Bank Bldg., Battle Creek  
 Dodge, Warren M., Jr.....1207 Wolverine Tower, Battle Creek  
 Fairbanks, Stephen.....119½ N. Superior, Albion  
 Finch, D. L.....806 Sec. Bank Bldg., Battle Creek  
 Forsyth, J. E.....217½ S. Superior St., Albion  
 Fraser, Robert H.....1112 Security Bank Bldg., Battle Creek  
 Funk, L. D.....Athens  
 Gething, Joseph W. (L).....803 Security Bank Bldg., Battle Creek  
 Giddings, A. M.....1704 Wolverine Tower, Battle Creek  
 Gilfillan, Margery J. (L).....Battle Creek San., Battle Creek  
 Gorsline, C. S. (L).....85 Orchard Place, Battle Creek  
 Graubner, F. L.....Marshall  
 Griffin, Martin, Col. MC (A).....Percy Jones Army Hospital, Battle Creek

Hansen, E. L.....216 North Ave., Battle Creek  
 Hansen, Harvey C.....417 Post Bldg., Battle Creek  
 Haughey, Wilfrid (L).....610 Post Bldg., Battle Creek  
 Heald, C. W. (L).....291 W. Michigan, Battle Creek  
 Henderson, Philip M.....109 West Erie St., Albion  
 Herzer, Henry A. (L).....Albion  
 Hibbs, Donald K.....622 Post Bldg., Battle Creek  
 Hills, C. R. (A).....1414 Security Bank Bldg., Battle Creek  
 Hollands, Robert A.....1501 W. Michigan Ave., Battle Creek  
 Holtom, B. G.....815 Security Bank Bldg., Battle Creek  
 Hoyt, Aura A. (L).....612 Security Bank Bldg., Battle Creek  
 Hubly, James W.....1407 Security Nat. Bank Bldg., Battle Creek  
 Humphrey, Arthur A.....914 Security Bank, Battle Creek  
 Humphrey, A. E.....122 N. Madison, Marshall  
 Jeffrey, J. R.....Battle Creek San, Battle Creek  
 Jesurum, Harold, Lt. Col., M.C. (A).....Percy Jones Army Hospital, Battle Creek  
 Jones, Aubrey H. (A).....Veterans Hospital, Fort Custer  
 Jones, T. K.....118 W. Green St., Marshall  
 Keagle, Leland R.....196 North Ave., Battle Creek  
 Keeler, K. B.....205½ S. Superior St., Albion  
 Kelleher, George T.....613 Post Bldg., Battle Creek  
 Kimball, A. S., Jr. (A).....8th Floor, University Hospital, Ann Arbor  
 Kinde, M. R.....258 Champion St., Battle Creek  
 Kingsley, Paul C.....1407 Security Bank Bldg., Battle Creek  
 Kolvoord, Theodore.....505 Security Bank Bldg., Battle Creek  
 La France, N. P.....1002 Wolverine Tower, Battle Creek  
 Lam, Francis L.....408½ Capital S.W., Battle Creek  
 Lancaster, V. B., Capt., M.C. (A).....Percy Jones Army Hospital, Battle Creek  
 Levy, Joseph.....1208 Wolverine Tower, Battle Creek  
 Lewis, W. B.....367 Champion, Battle Creek  
 Linn, Frank D.....109½ S. Superior St., Albion  
 Lowe, Kenneth H.....401 Security Bank Bldg., Battle Creek  
 Lowe, Stanley T.....1009 Bank Bldg., Battle Creek  
 MacGregor, Archibald E. (L).....1510 Security Bank Bldg., Battle Creek  
 Mahoney, F. A., Maj., M.C. (A).....Percy Jones Army Hospital, Battle Creek  
 McNair, Lawrence N.....205½ S. Superior St., Albion  
 Medinets, H. E., Capt., M.C. (A).....Percy Jones Army Hospital, Battle Creek  
 Meister, F. O.....1007 Security Bank Bldg., Battle Creek

## ROSTER

Melges, Fred J.	1506 Security Bank Bldg., Battle Creek	Shipp, Leland P.	1414 Security Bank Bldg., Battle Creek
Mercer, C. M.	512 Michigan National Bank Bldg., Battle Creek	Shellenberger, Herbert M.	108 1/2 W. Michigan, Marshall
Moody, J. E. (A)	Detroit TB San, 1800 Tuxedo Ave., Detroit	Siblsky, A. C.	900 Wolverine Tower, Battle Creek
Morrison, Donald B.	806 Security Bank Bldg., Battle Creek	Simpson, Robert S.	1507 Wolverine Tower, Battle Creek
Moss, H. L. (A)	Leila Hospital, Battle Creek	Slagle, George W.	1206 Security Bank Bldg., Battle Creek
Mowrey, F. H., Col., M.C. (A)	Percy Jones Army Hospital, Battle Creek	Sleight, James D.	401 Security Bank Bldg., Battle Creek
Mullenmeister, Hugh F.	275 Capital N.E., Battle Creek	Stadle, Wendell H.	1506 Security Bank Bldg., Battle Creek
Mustard, Russell L.	1407 Security Bank Bldg., Battle Creek	Stiefel, Richard	1407 Security Bank Bldg., Battle Creek
Newton, W. A., Jr., Capt., M.C. (A)	Percy Jones Army Hospital, Battle Creek	Strohmer, Frank J.	400 1/2 S. Superior St., Albion
Patrick, Gilbert T.	505 Security Bank Bldg., Battle Creek	Swartz, George K.	Battle Creek San., Battle Creek
Pearson, Donald J.	302 Post Bldg., Battle Creek	Tannenholz, Harold S.	1614 Security Bank Bldg., Battle Creek
Power, J. R.	140 N.E. Capital, Battle Creek	Taylor, Clifford B.	308 1/2 S. Superior St., Albion
Putman, Willard N.	527 Post Bldg., Battle Creek	Upson, W. O. (L)	422 S. Freeman, Oceanside, Calif.
Robbert, John	714 Security Bank Bldg., Battle Creek	VanderVoort, Wm. V. (L)	Battle Creek San., Battle Creek
Roberts, E. H.	American Legion Hospital, Battle Creek	Verity, Lloyd E.	1414 Security Bank Bldg., Battle Creek
Robins, Hugh	City Hall, Battle Creek	Walker, Charles S.	709 W. Van Buren, Battle Creek
Robinson, A. L.	231 S. Fourth St., Burr Oak	Walters, John F.	41 North Washington, Battle Creek
Rorich, Wilma Weeks	166 Capital Ave. N.E., Battle Creek	Wencke, Carl G.	1015 Security Bank Bldg., Battle Creek
Rosenfeld, J. E.	158 Capital N.E., Battle Creek	Willson, Charles H. (A)	Leila Y. Post Hosp., Battle Creek
Rowan, Russell C.	205 1/2 S. Superior, Albion	Winslow, Sherwood B.	612 Post Building, Battle Creek
Royer, Clark W.	1508 Wolverine Tower, Battle Creek	Worgess, Duane R.	45 Territorial Road W., Battle Creek
Schwarz, Frank W.	31 Orchard Place, Battle Creek	Wu, Jack Foy	American Legion Hospital, Battle Creek
Sharp, A. D.	308 S. Superior, Albion	Yannitelli, S. A.	A. S. Kimball San., Battle Creek
		Zheutlin, Bertram	158 Capital Ave. N.E., Battle Creek
		Zindler, G. A.	1206 Security Tower, Battle Creek

## Cass County

Adams, Uriah M.	Marcellus	Loupee, S. L.	Dowagiac
Clary, Rudolph I.	Dowagiac	Pierce, Kenneth C.	140 1/2 S. Front St., Dowagiac
Everett, Dan W.	Edwardsburg	Rutz, L. M.	Marcellus
Hickman, John H.	212 1/2 S. Front St., Dowagiac	Zwergel, E. H.	Cassopolis
Loupee, George E.	Dowagiac		

## Chippewa-Mackinac Counties

Bandy, F. C. (R)	Franklin Manor, Sarasota, Florida	Howe, Gertrude E.	300 Court St., Sault Ste. Marie
Blair, Herbert M.	300 Court St., Sault Ste. Marie	Mackie, Thomas B.	300 Court St., Sault Ste. Marie
Blue, J. J.	Cedarville	McBryde, Lyman M.	Masonic Bldg., Sault Ste. Marie
Clausen, C. H.	300 Court St., Sault Ste. Marie	Mertagah, William F.	501 Adams Bldg., Sault Ste. Marie
Conrad, G. A., (E)	521 Ashmun, Sault Ste. Marie	Montgomery, B. T.	309 Ashmun, Sault Ste. Marie
Cowan, Donald A.	R. F. D. No. 1, Sault Ste. Marie	Rhind, Earl S.	300 Court St., Sault Ste. Marie
Finlayson, Donald D.	309 Ashmun St., Sault Ste. Marie	Scott, Dwight F.	300 Court St., Sault Ste. Marie
Goddard, G. B.	Pickford	Trapasso, Tony J.	300 Court St., Sault Ste. Marie
Goldberg, A. H.	Sault Ste. Marie	Venier, A. G.	519 Ashmun St., Sault Ste. Marie
Hagele, Marie A.	300 Court St., Sault Ste. Marie	Wallen, L. J.	409 Ashmun St., Sault Ste. Marie
Hamel, Herbert E.	St. Ignace	Willison, C. (E)	Sault Ste. Marie
Harrington, H. M.	519 Ashmun, Sault Ste. Marie	Yale, I. Victor	200 Ashmun St., Sault Ste. Marie
Howe, Donnell C.	300 Court St., Sault Ste. Marie		

## Clinton County

Bennett, George W.	Elsie	Luton, F. E.	St. Johns
Cook, Bruno	Westphalia	McNamara, J. W.	St. Johns
Elliott, Bruce R.	Ovid	McWilliams, W. B.	Maple Rapids
Fillinger, Wells B.	Ovid	Russell, Sherwood R.	St. Johns
Foo, Charles T.	St. Johns	Slagh, Earl M.	Elsie
Graber, Virgil R.	St. Johns	Smith, Frank W.	Ovid
Henthorn, A. C. (R)	RFD No. 3, St. Johns	Stephenson, W. F. (M)	108 East McConnell, St. Johns
Kirker, J. G.	Fowler	Stoller, Paul F.	308 N. Mead St., St. Johns

## Delta-Schoolcraft Counties

Anderson, F. C.	First Nat. Bank Bldg., Escanaba	Hult, Otto S.	1005 Delta, Gladstone
Benson, Gilbert W.	100 N. 10th St., Escanaba	Kee, Charles E.	1102 Wisconsin, Gladstone
Bernier, A. Barroso	Nahma	Lambie, M. W.	Gladstone
Boyce, Donald H.	1007 Ludington, Escanaba	Lemire, Donald F.	1104 S. First, Escanaba
Brenner, Ervin J.	Manistique	Lemire, Wm. A.	1106 S. First, Escanaba
Carlton, Arthur J.	1103 Ludington, Escanaba	Lindquist, N. L.	531 S. 14th, Escanaba
Chenoweth, Nancy R. (E)	Peterborough, Ontario, Canada	McInerney, Thomas A.	1221 Ludington, Escanaba
Dehlin, James R.	1102 Wisconsin, Gladstone	Miller, Albert H.	904 Wisconsin, Gladstone
Frenn, Nathan J.	Bark River	Moll, G. W. (E)	15063 Greenview Ave., Detroit
Fyvie, James H.	Manistique	Ryde, R. E.	1400 Second Ave. So., Escanaba
Groos, Harold Q.	1015 First Ave. S., Escanaba	Shaw, George A.	Manistique
Groos, Louis P.	1015 First Ave. S., Escanaba	Walch, John J.	1103 Ludington, Escanaba
Harrison, W. C.	1219 N. Ninth, Escanaba	Wehner, Merle E.	Manistique

## Dickinson-Iron Counties

Addison, E. R.	412 Superior St., Crystal Falls	Kofmehl, Wm. J.	Stambaugh
Alexander, W. H.	Iron Mountain	McCormack, Edward	Niagra, Wisconsin
Boyce, George H.	First Nat'l Bank Bldg., Iron Mountain	McEachran, Hugh D.	Iron Mountain
Browning, James L.	212 E. B. St., Iron Mountain	Menzies, Clifford G.	Iron Mountain
Cooper, Charles A.	230 Washington Ave., Stambaugh	Palm, E. Theodore	412 Superior St., Crystal Falls
Fiedling, William	Norway	Retallack, R. C.	422 River St., Iron River
Haight, Harry H. (A)	7125 Glaston Road, Washington, D. C.	Schmutzler, W. A.	Kingsford
Hayes, Willard N.	Norway	Schroeder, J. M.	1115 Stockbridge, Iron Mountain
Huron, Willis H.	107 E. A St., Iron Mountain	Smith, Donald R.	Iron Mountain
Irvine, Lionel E.	422 Third, Iron River	Steinke, Charles G.	517 Stephenson, Iron Mountain

# ROSTER

## Eaton County

Arner, Fred L. .... Bellevue  
Brown, B. P. .... 339 S. Main, Charlotte  
Carothers, Daniel J. .... Charlotte  
DeLand, C. L. .... Olivet  
Engle, Paul H. .... Olivet  
Garlock, F. C. .... Grand Ledge  
Hannah, Harry W. .... Charlotte  
Harrod, Gordon R. .... Grand Ledge  
Hoffer, William E. .... Charlotte  
Imthun, Edgar F. .... 113 E. Jefferson, Grand Ledge

Johnson, Robert C. .... Charlotte  
Meinke, Albert H. .... 702 S. Main, Eaton Rapids  
Myers, Albert W. .... Potterville  
Sevener, Lester G. .... Charlotte  
Stucky, G. C. .... Eaton Co. Health Dept., Box 140, Charlotte  
Van Ark, Bert ..... 702 S. Main, Eaton Rapids  
Van Ark, Herman F. .... 702 S. Main, Eaton Rapids  
Whitlock, Stanley C. .... Dimondale  
Willits, C. O. .... Charlotte

## Genesee County

Adams, Burnell H. .... 2002 E. Court St., Flint  
Adams, Chester H. .... 2125 Detroit St., Flint  
Anderson, Harley H. .... 11280 N. Saginaw, Mt. Morris  
Andrews, Nelson A. C. .... Flushing  
Anthony, George E. .... 1015 Detroit St., Flint  
Backus, Glenn R. .... 633 Mott Foundation Bldg., Flint  
Bald, Frederick W. .... 610 Mott Foundation Bldg., Flint  
Barbour, Fleming A. .... 1439 Mott Foundation Bldg., Flint  
Baske, Franklin W. .... 923 Maxine St., Flint  
Bateman, L. G. .... 1928 Lewis, Flint  
Benson, J. C., Sr. (L) .... 727 Clifford St., Flint  
Benson, John C., Jr. .... 710 Genesee Bank Bldg., Flint  
Bernstein, Eli N. .... 409 Kresge Bldg., Flint  
Beyer, Damon P. .... 145 Vienna St., Clio  
Beyer, George D. .... 145 Vienna St., Clio  
Biggar, H. R. .... 3109 S. Saginaw, Flint  
Bishop, D. L. .... 2226 Detroit St., Flint  
Blakely, Arthur C. .... 432 N. Saginaw, Flint  
Bogart, Leon M. .... 1008 Genesee Bank Bldg., Flint  
Boles, William P. .... 714 Beach St., Flint  
Bonathan, Alvin T. .... 606 First Nat. Bldg., Flint  
Bradley, Robert M. .... 420 Genesee Bank Bldg., Flint  
Brain, R. Gordon. .... 509 First Nat. Bank Bldg., Flint  
Branch, Hira E. .... 821 Mott Fd. Bldg., Flint  
Brasie, Donald R. .... 907 Citizens Bank Bldg., Flint  
Briggs, Guy D. .... 206 Genesee Bank Bldg., Flint  
Bruce, William W. .... Swartz Creek  
Burkett, L. V. .... County Court House, Flint  
Burnell, Max R. .... 3301 Westwood Parkway, Flint  
Burnside, Howard B. .... University Hospital, Little Rock, Ark.  
Caster, E. Wilbur. .... 10505 LaSalle Blvd., Huntington Woods  
Chambers, Myrton S. .... 839 Mott Fd. Bldg., Flint  
Chandler, M. E. (L) .... 929 Woodlawn Park Drive, Flint  
Charters, J. H. (E) .... 11089 Fenton Road, Fenton  
Clark, Clifford P. .... 502 E. Second, Flint  
Collins, James I. .... 902 Stockdale, Flint  
Colwell, C. W. .... 706 Citizens Bank Bldg., Flint  
Connell, John T. .... 305 Dryden Bldg., Flint  
Conover, George V. .... 420 Genesee Bank Bldg., Flint  
Conover, McClellan. .... 312 Paterson Bldg., Flint  
Conover, T. Sidney. .... 420 Genesee Bank Bldg., Flint  
Cook, Henry. .... 326 Genesee Bank Bldg., Flint  
Covert, Floyd L. (L) .... Gaines  
Craig, William G. .... 717 Mott Foundation Bldg., Flint  
Crane, Harley C. .... 124 W. 4th St., Flint  
Credille, Barney A. .... 813 Genesee Bank Bldg., Flint  
Curry, George J. .... 813 Genesee Bank Bldg., Flint  
Curtin, John H. .... 507 Citizens Bank Bldg., Flint  
Cutler, G. Campbell. .... 2415 Detroit St., Flint  
David, T. George. .... 5502 N. Saginaw, Flint  
Delzingro, N. .... Davison  
Denholm, Nan H. .... 811 Mott Foundation Bldg., Flint  
Dickstein, Bernard. .... 201 Dryden Bldg., Flint  
Dimond, Edwin G. .... 209 Genesee Bank Bldg., Flint  
Dodds, Frederick E. .... 1336 Lewis St., Flint  
Drewyer, Glen E. .... 507 Metropolitan Bldg., Flint  
Eichhorn, Ernest M. .... 1112 Mott Foundation Bldg., Flint  
Eickhorst, Thomas N. .... 210 E. Court St., Flint  
Elliott, Hardie B. .... 409 Dryden Bldg., Flint  
Engelman, R. M. .... 1013 Mott Foundation Bldg., Flint  
Ettinger, Ralph D. .... Fenton  
Farhat, Maynard M. .... 620 1/2 W. Court St., Flint  
Fee, Manson G. .... 311 Kresge Bldg., Flint  
Finkelstein, Theodore. .... 1415 Broadway, Flint  
Flynn, Southard T. .... 1121 Mott Foundation Bldg., Flint  
Foley, Sydney I. .... 619 Mott Foundation Bldg., Flint  
Fuller, Harvey T. .... Mt. Morris  
Gelenger, S. M. (M) .... U. S. Army Hospital, Camp Atterbury, Ind.  
Gleason, N. A. .... 1310 Mott Foundation Bldg., Flint  
Golden, H. Maxwell. .... 215 N. Saginaw, Flint  
Goodfellow, B. A. (L) .... 506 Page St., Flint  
Gorne, Saul S. .... 400 F. P. Smith Bldg., Flint  
Griffin, Ernest P., Jr. .... 619 Mott Foundation Bldg., Flint  
Grover, H. F. .... 310 Dryden Bldg., Flint  
Guile, Gordon S. .... 1621 Dupont St., Flint  
Gundry, George L. .... 11736 Saginaw, Grand Blanc  
Gutow, Isadore. .... 607 Citizens Bk. Bldg., Flint  
Gutow, J. J. .... 607 Citizens Bk. Bldg., Flint  
Hauge, Robert F. .... 210 E. Court St., Flint 3  
Halligan, Raymond S. (L) .... 405 East First St., Flint  
Hamady, Ruth. .... 228 Welch Blvd., Flint  
Hamilton, A. J. .... Fisher Body Co. No. 2, 3100 Van Syke Rd., Flint  
Harper, Alex W. (L) .... 2503 Detroit St., Flint  
Harper, Homer. .... 2503 Detroit St., Flint  
Harrison, Leo D. (R) .... 1132 Woodside Drive, Flint  
Hawkins, James E. .... 1226 Leith St., Flint  
Hays, George A. .... City Health Dept., Hurley Hospital, Flint

Hiscock, Harold H. .... 1315 Mott Fdt. Bldg., Flint  
Hooper, Kendall. .... 714 Beach St., Flint  
Houston, James (L) .... Swartz Creek  
Hubbard, Wm. B. .... 302 Paterson Bldg., Flint  
Jermstad, Robert J. .... 633 Mott Fdt. Bldg., Flint  
Johnson, Arthur H. .... 3219 North St., Flint  
Johnson, Frank D. .... 202 Paterson Bldg., Flint  
Jones, Lafon. .... 1004 Genesee Bank Bldg., Flint  
Judd, Alvin E. .... 2315 Davison Road, Flint  
Kaleta, Edward. .... 3101 N. Saginaw St., Flint  
Kaufman, L. D. .... 4002 N. Saginaw, Flint  
Knapp, William D. .... 201 Kresge Bldg., Flint  
Koop, Chester. .... Genesee Co. San., Flint  
Kretchmar, Arthur H. .... 608 First National Bldg., Flint  
Kurtz, John J. .... 421 Dryden Bldg., Flint  
Laird, James I. .... 10114 Main St., Goodrich  
Leach, J. L. .... 3007 Industrial Ave., Flint  
Limbach, David R. .... Hurley Hospital, X-Ray Dept., Flint  
Livesay, Jackson E. .... 621 Mott Fdt. Bldg., Flint  
Logan, George W. (L) .... Flushing  
MacDuff, R. Bruce. .... 220 Genesee Bk. Bldg., Flint  
MacGregor, Delbert M. .... 701 Dayton W., Flint  
Macksood, Joseph A. .... 2501 N. Saginaw St., Flint  
McArthur, Arthur. .... 1539 Mott Fdt. Bldg., Flint  
McCabe, Margaret M. .... 420 Genesee Bk. Bldg., Flint  
McGarry, B. G. .... Fenton  
McGarry, Roy A. .... 418 Dryden Bldg., Flint  
McKenna, Oscar W. (E) .... 507 Harrison St., Flint  
McLeod, Kenneth W. A. .... 304 Paterson Bldg., Flint  
Michall, S. R. .... 907 Welch, Flint  
Michels, Robert M. .... 610 E. Main, Flushing  
Miller, E. E. .... 2902 Detroit St., Flint  
Miller, Loren Eugene. .... 2645 Corunna Road, Flint 3  
Miltich, Anthony J. .... 415 Dryden Bldg., Flint  
Moore, Kenneth B. .... 1613 Mott Fdt. Bldg., Flint  
Moore, Wesley P. .... 3101 1/2 Industrial Ave., Flint  
Morrish, Ray S. .... 1715 Crescent Drive, Flint  
Morrison, William H. .... 205 Perry Road, Grand Blanc  
Morrisey, V. H. .... 101 Stockdale St., Flint  
Mosier, Edward C. .... Otisville  
Odle, Ira D. .... 201 Welch Blvd., Flint  
O'Neil, C. H. (R) .... Deckerville  
Orr, J. Walter (L) .... Orrs Point Lake, Fenton  
Osher, Seymour L. .... 506 National Bldg., Flint  
Pfeifer, A. C. .... Mt. Morris  
Phillips, Robert L. .... 706 Citizens Bank Bldg., Flint  
Phillips, Robert W. .... 829 Stockdale, Flint  
Pratz, Oliver C. .... 1303 Detroit St., Flint  
Preston, Otto. .... Chevrolet Motor Co., Flint  
Purcell, F. L. .... Goodrich  
Ragan, Russell M. .... 3602 Beecher, Flint 3  
Rawlings, J. Mott. .... City Health Dept., Flint  
Reeder, Frank E. .... 808 Genesee Bank Bldg., Flint  
Reichard, Orill (L) .... 1507 Detroit St., Flint  
Reid, Wells C. .... Goodrich  
Reynolds, A. J. (L) .... 806 Genesee Bank Bldg., Flint  
Richeson, Vern N. .... 405 Sill Bldg., Flint  
Rieth, George F. .... 1402 Davison Road, Flint  
Roberts, Floyd A. .... 428 Thompson St., Flint  
Rowe, John B. .... 312 Paterson Bldg., Flint  
Rulney, Max. .... 1128 1/2 Chevrolet Ave., Flint  
Rundles, Walter Z. .... 304 First National Bldg., Flint  
Ryneason, W. J. .... 308 Roberts St., Fenton  
Sandy, Kenneth R. .... 2701 Detroit St., Flint  
Scavarda, Charles J. .... 304 First National Bldg., Flint  
Schiff, B. A. .... 511 Sill Bldg., Flint  
Schreiber, E. Oskar. .... 421 Kresge Bldg., Flint  
Schwartz, J. M. .... Fisher Body No. 1, Flint  
Scott, Robert D. .... 1215 Detroit St., Flint  
Searles, Karl F. .... 2932 Corruna Road, Flint  
Shantz, Leighton O. .... 1239 Mott Fdt. Bldg., Flint  
Shapiro, Joseph. .... 417 Metropolitan Bldg., Flint  
Sheeran, Daniel H. .... 809 Genesee Bank Bldg., Flint  
Shipman, Charles W. .... 325 E. First St., Flint  
Sirna, Anthony R. .... Chevrolet Mtr. Co., 300 N. Chevrolet Ave., Flint  
Sleeman, B. R. .... 129 E. Broad St., Linden  
Smith, DeVerne C. (L) .... 810 Sill Bldg., Flint  
Smith, Eugene C. .... 814 Mott Fdt. Bldg., Flint  
Smith, Maurice J. .... 2801 N. Saganaw, Flint  
Sniderman, Benjamin F. .... 727 Beach St., Flint  
Snyder, Charles E. .... Swartz Creek  
Sorkin, Morris L. .... 718 Beach St., Flint  
Sorkin, Samuel S. .... 718 Beach St., Flint  
Sparks, Harvey V. .... 603 First National Bldg., Flint  
Steffe, Ralph S. .... 610 Mott Fdt. Bldg., Flint  
Steinman, Floyd H. .... 734 Mott Fdt. Bldg., Flint  
Stevens, Philip K. .... 201 Mich. Theatre Bldg., Flint

## ROSTER

Stevenson, William W.....416 Kresge Bldg., Flint  
 Streat, Rudolph W.....218 East 8th St., Flint  
 Stroup, Clayton K.....2002 E. Court St., Flint  
 Sutherland, James K.....402 E. Third St., Flint  
 Sutton, George.....303 W. Court St., Flint  
 Sutton, Mahlon R. (L).....2110 Detroit St., Flint  
 Thompson, Alvin.....1121 Mott Fdtn. Bldg., Flint  
 Thompson, Jack.....309 Kresge Bldg., Flint  
 Tofteland, Elmer H.....302 W. Third Ave., Flint  
 Tower, Rita B.....Genesee County San., Flint  
 Treat, David L. (L).....1110 S. Drive, Flint  
 Trumble, George W. (L).....2500 S. Saginaw, Flint  
 Turner, Merald G.....316 Dryden Bldg., Flint  
 Tuuri, Arthur L.....Mott Clinic, Hurley Hospital, Flint  
 Van Harn, R. S.....Buick Motor Co., Flint  
 Vary, Edwin P.....608 First National Bldg., Flint  
 Vaughan, Edgar J.....Linden

Walcott, Carver G.....Fenton  
 Ward, Nell M.....1139 Mott Fdtn. Bldg., Flint  
 Ware, Frank A.....514 Genesee Bank Bldg., Flint 3  
 Wark, David R.....1315 Detroit St., Flint  
 Wentworth, John E.....1651 Chevrolet Ave., Flint  
 Werness, Inga W.....304 First National Bank Bldg., Flint  
 White, C. H.....106 River St., Fenton  
 Williams, William S.....3398 S. Saginaw St., Flint  
 Willoughby, Gordon L.....5009 N. Saginaw St., Flint  
 Willoughby, Leslie L. (L).....1402 Davison Rd., Flint  
 Wills, Thomas N.....706 W. Court St., Flint  
 Winchester, Walter H. (L).....515 Genesee Bank Bldg., Flint  
 Woughter, Harold W.....1312 Mott Fdtn. Bldg., Flint  
 Wright, Donald R.....403 W. Court St., Flint  
 Wyman, J. S.....9020 S. Saginaw Road, Grand Blanc  
 Zeis, M. G.....718 Beach St., Flint

## Gogebic County

Albert, Samuel G.....119 Suffolk St., Ironwood  
 Anderson, Charles E.....Bessemer  
 Davidson, Donald L.....Bessemer  
 Eisele, David C.....109 Aurora, Ironwood  
 Franck, John R.....Wakefield  
 Gertz, M. A.....109 E. Aurora St., Ironwood  
 Gingrich, W. A.....109 E. Aurora, Ironwood  
 Gorilla, A. C.....210 S. Suffolk St., Ironwood  
 Harrington, R. R.....103 S. Suffolk St., Ironwood  
 Lieberthal, Maurice J.....104 S. Suffolk, Ironwood  
 Lieberthal, Paul R.....104 S. Suffolk, Ironwood

Lojacono, Salvatore.....Grand View Hosp., Ironwood  
 Maccani, Wm. L.....Ironwood  
 McEnroe, John E.....Newport Hospital, Ironwood  
 Nezworski, Henry T.....210 S. Suffolk, Ironwood  
 O'Brien, A. J.....216 E. Aurora St., Gogebic Clinic, Ironwood  
 Pinkerton, Harold A.....Newport Hospital, Ironwood  
 Santini, F. J.....109 E. Aurora St., Ironwood  
 Stevens, Charles E.....216 E. Aurora St., Gogebic Clinic, Ironwood  
 Tressel, Henry A.....Wakefield  
 Wacek, William H.....Grand View Hosp., Ironwood

## Grand Traverse-Leelanau-Benzie Counties

Beall, John G.....118½ E. Front, Traverse City  
 Bolan, Ellis J.....Suttons Bay  
 Brownson, Kneale M.....116 Cass, Traverse City  
 Bushong, Benjamin B.....116 Cass, Traverse City  
 Duiker, Henry.....Box C, Traverse City  
 Ellis, Claude I.....Suttons Bay  
 Haberlein, Charles R.....123½ E. Front, Traverse City  
 Hall, James W.....212½ E. Front, Traverse City  
 Hamilton, Earl E.....156 E. Front, Traverse City  
 Huene, Nevin.....112 E. Front, Traverse City  
 Huston, Russell R.....Elk Rapids  
 Hyslop, Wm. T.....Box C, Traverse City  
 Jerome, Jerome T.....105 State Bank Bldg., Traverse City  
 Lemen, Charles E.....216½ E. Front, Traverse City  
 Lossman, R. T.....James Munson Hospital, Traverse City  
 Milliken, John.....Traverse City State Hosp., Traverse City  
 Nickels, M. M.....Traverse City State Hosp., Traverse City  
 Osterhagen, Harold F.....W. Bayshore Rd., Traverse City

Osterlin, Mark F.....201 State Bank Bldg., Traverse City  
 Pike, Donald G.....876 E. Front, Traverse City  
 Power, Frank H.....116 Cass, Traverse City  
 Salon, Dayton D.....108½ E. Front, Traverse City  
 Sheets, R. Philip.....Traverse City State Hosp., Traverse City  
 Sladek, E. F.....123 E. Front, Traverse City  
 Stone, Fordyce H.....Beulah  
 Swartz, Fred G.....301 State Bank Bldg., Travers City  
 Thacker, Fred R.....Frankfort  
 Thirby, Edwin L.....116 Cass, Traverse City  
 Trautman, Frederick B.....436 E. State, Traverse City  
 Way, Lewis R.....436 E. State, Traverse City  
 Weitz, Harry L.....529 Monroe, Traverse City  
 Wieh, J. E.....Traverse City  
 Wilcox, Paul H.....Traverse City State Hosp., Traverse City  
 Wilhelm, E. C.....438 W. Front, Traverse City  
 Zielke, I. H.....212 E. Front, Traverse City  
 Zimmerman, Joseph G.....306 State Bank Bldg., Traverse City

## Gratiot-Isabella-Clare Counties

Aldrich, Alfred L.....Ithaca  
 Barstow, Don K.....St. Louis  
 Barstow, W. E.....St. Louis  
 Becker, M. G.....Edmore  
 Bergin, Joseph H.....1437 Michigan, Alma  
 Budge, M. J.....Ithaca  
 Burch, L. J. (E).....Mt. Pleasant  
 Burt, C. E.....Ithaca  
 Chamberlain, R. W.....Mt. Pleasant  
 Davis, Lionel L.....Mt. Pleasant  
 Del Gorno, Thomas.....Shepard  
 Drake, Wilkie M. (L).....Breckenridge  
 DuBois, C. F.....Alma  
 Graham, B. J.....Alma  
 Hall, R. F.....1014 S. Lansing, Mt. Pleasant  
 Hammerberg, Kuno.....622 McEwen, Clare  
 Harrigan, W. L.....Mt. Pleasant  
 Hayes, Robert E.....Mt. Pleasant

Hersee, Wm. E.....Mt. Pleasant  
 Hobbs, A. D.....St. Louis  
 Hoogerland, C. L.....514 Iowa, Alma  
 Johnson, P. R.....Mt. Pleasant  
 Juhnke, L. W.....Mt. Pleasant  
 McArthur, Stewart C.....Clare  
 Miller, S. W.....Alma  
 Oldham, E. S.....Breckenridge  
 Palmer, Fred W.....P.O. Box 32, Mt. Pleasant  
 Rottschaefer, J. L.....Alma  
 Silver, Pasche P.....Vestaburg  
 Strange, Russell H.....630 S. College, Mt. Pleasant  
 Waggoner, R. L.....St. Louis  
 Wallman, C. Harry.....630 State St., Alma  
 Wickert, L. R.....Mt. Pleasant  
 Wilcox, Rex A.....Alma  
 Wilson, E. C.....Harrison  
 Wolfe, Kenneth P.....427 W. Superior, Alma

## Hillsdale County

Bates, Morton P.....108 S. Manning, Hillsdale  
 Davis, L. A.....Camden  
 Day, Luther W.....Jonesville  
 Franke, Armin.....Hillsdale  
 Hanke, George R.....R.F.D., Osseo  
 Hodge, C. L.....Reading  
 Hughes, Henry F. (L).....Hillsdale  
 MacNeal, John A.....Manning St., Hillsdale  
 Martindale, E. A. (L).....Hillsdale

Mattson, H. F.....Hillsdale  
 Miller, Harry C. (L).....4760 Panorama Drive, San Diego 3, Calif.  
 Peterson, Carl A.....Hillsdale  
 Sawyer, Walter W.....61 N. Howell St., Hillsdale  
 Stein, Arthur.....Community Health Center, Hillsdale  
 Strom, Arthur W.....Hillsdale  
 Trapp, Donald.....Hillsdale  
 Wiggins, Ira W.....Jonesville

## Houghton-Baraga-Keweenaw Counties

Aldrich, Addison B.....325 Harris, Houghton  
 Aldrich, Leonard C.....1609 E. Houghton, Houghton  
 Bourland, Phillip D. (L).....134½ Calumet Ave., Calumet  
 Brewington, G. F. (E).....Mohawk  
 Burke, John J.....Hubbell  
 Englehart, Charles.....Huron Bldg., Houghton  
 Gregg, W. T. S. (E).....Gerry's Landing, Cambridge 38, Mass.  
 Hayward, J. C.....Box 691, Lake Linden  
 Hillmer, Raymond E.....Painesdale

Hosking, F. S., Cdr. (M.C.) U.S.N.R., U.S.N.A.S. (M).....  
 Janis, Anton J.....381 Elrod Loop, Memphis, Tenn.  
 King, William T.....Quinsy Street, Hancock  
 Kirton, Job R. W. (E).....1111 Calumet Ave., Calumet  
 Kolb, Frederick E.....128 Calumet Ave., Calumet  
 LaBine, Alfred.....1019 College Ave., Houghton  
 Lepisto, Victor E.....414 Hecla St., Laurium  
 Levin, Simon.....1209 College, Houghton

# ROSTER

Manthei, W. A. Lake Linden  
Murphy, P. J. Merchants & Miners Bank Bldg., Calumet  
Quick, James B. (L) 232 Iroquois, Laurium  
Repola, K. L. (M) 282 Jasper St., Ishpeming  
Roche, Andrew M. 221 Fifth Street, Calumet  
Sloan, Paul S. 214 Clark St., Houghton

Smith, Charles R. Hancock  
Stern, Isadore D. 220 Hubbell, Houghton  
Whitmore, Ray C. Hancock  
Wickliffe, John T. P. 1167 Calumet Ave., Calumet  
Winkler, Henry J. L'Anse

## Huron County

Dixon, Ralph C. Pigeon  
Gittel, Roy R. Bad Axe  
Herrington, Charles I. Bad Axe  
Herrington, Willet J. Bad Axe  
Monroe, Duncan J. (L) Elkton  
Oakes, C. W. Harbor Beach  
Ritema, John. Sebawaing

Scheurer, Clare A. Pigeon  
Sorensen, Maurice G. Kinde  
Steinhardt, Edward E. Elkton  
Strempek, W. F. Pigeon  
Turner, Phillip R. Harbor Beach  
Weiss, Arno W. Bad Axe

## Ingham County

Alexander, Reuben G. 301 Seymour, Lansing  
Altland, J. K. Michigan Dept. of Health, Lansing  
Asselin, David C. 503 American State Bank Bldg., Lansing  
Badgley, W. O. 624 N. Capitol Ave., Lansing  
Baker, Arthur G. Michigan Dept. of Health, Lansing  
Bartholomew, Henry S. (R) Harbor Beach  
Bates, R. C. (A) 1820 E. Michigan Ave., Lansing  
Bauer, Theodore I. 808 Olds Tower, Lansing  
Behen, William C. 535 S. Capitol Ave., Lansing  
Bellinger, E. G. (L) 114 W. Lenawee, Lansing  
Bevez, Frank L. 2806 N. East St., Lansing  
Black, Charles E. 529 W. Grand River, Williamston  
Black, Gertrude 529 W. Grand River Ave., Williamston  
Bowersox, Robert J. 108 Division St., East Lansing  
Bradford, C. W. 419 S. Walnut, Lansing  
Breaky, Robert S. 1211 Bank of Lansing Bldg., Lansing  
Briede, Paul C. St. Lawrence Hospital, Lansing  
Brown, Fred W., Jr. 536 Tussing Bldg., Lansing  
Brubaker, Earl. 1406 Bank of Lansing Bldg., Lansing  
Brucker, Karl B. 122 W. Hillsdale, Lansing  
Burhans, R. A. 808 Olds Tower, Lansing  
Calomeni, Anthony D. 309 Seymour, Lansing  
Carr, Earl I. 300 W. Ottawa, Lansing  
Cheney, Wm. D. 412 LaSalle Blvd., Lansing  
Christian, L. G. 108 E. St. Joseph, Lansing  
Clark, William E. 136 W. Ash St., Mason  
Clarke, Emilie A. Div. of Lab., Mich. Dept. of Health, Lansing  
Clinton, George. 136 W. Ash St., Mason  
Cook, R. J. 2601 S. Cedar St., Lansing  
Cope, H. E. Michigan Dept. of Health, Lansing  
Corneliuson, Goldie B. Michigan Dept. of Health, Lansing  
Cowan, J. A. 825 Touraine, East Lansing  
Cross, Frank S. 426 W. Ottawa, Lansing  
Cummings, G. D. Michigan Dept. of Health, Lansing  
Darling, L. H. 115 W. Hillsdale, Lansing  
Dean, Carleton. 458 Hollister Bldg., Lansing  
De Kleine, William. 301 Seymour St., Lansing  
DeVries, C. F. 320 Townsend, Lansing  
Doyle, C. P. (E) 1408 Bank of Lansing Bldg., Lansing  
Drolett, Donald J. 901 Prudden Bldg., Lansing  
Drolett, Fred J. 990 Prudden Bldg., Lansing  
Drolett, Lawrence A. 903 Prudden Bldg., Lansing  
Dunn, F. M. 301 Seymour, Lansing  
Ellis, B. W. (R) West Olive  
Ellis, C. W. (L) West Olive  
Feeney, Kenneth J. 1908 Olds Tower, Lansing  
Folkers, Leonard M. 911 Rosewood, East Lansing  
Fortino, S. P. 502 Bauch Bldg., Lansing  
Fosget, Wilbur W. 303 Bauch Bldg., Lansing  
Foust, E. H. 428 W. Allegan, Lansing  
French, Horace L. 301 Seymour, Lansing  
Gardner, C. B. 320 Townsend St., Lansing  
Garlinghouse, A. John. 215 N. Walnut, Lansing  
Goldner, Roy E. 1318 1/2 S. Washington, Lansing  
Hackman, Pearl. Chinle Clinic, Chinle, Ariz.  
Harris, Herbert W. 301 Seymour, Lansing  
Harrison, W. H. 834 W. St. Joseph, Lansing  
Harrold, J. F. 420 W. Ottawa, Lansing  
Hart, L. C. 119 W. Lenawee, Lansing  
Hayford, W. D. 62 W. Wentworth, Minneapolis, Minnesota  
Heald, G. H. 234 Michigan Ave., East Lansing  
Heckert, Frank B. 1105 Bank of Lansing Bldg., Lansing  
Heckert, J. K. 1105 Bank of Lansing Bldg., Lansing  
Henry, L. L. 326 Townsend, Lansing  
Hersey, E. F. Box 606, East Lansing  
Hersey, M. S. Box 606, East Lansing  
Heustis, Albert E. Mich. Dept. of Health, Dewitt Road, Lansing  
Himmelberger, R. J. 320 Townsend, Lansing  
Hockman, T. A. 108 E. St. Joseph, Lansing  
Hodges, Kenneth P. 1116 Olds Tower, Lansing  
Holland, Charles F. 166 Orchard St., East Lansing  
Huggett, Clare C. 125 W. Grand River, Lansing  
Hurth, M. S. 1717 Jerome, Lansing  
Isbister, J. L. Michigan Dept. of Health, DeWitt Road, Lansing  
Jacob, S. Sprigg. 1044 Wildwood Drive, East Lansing  
Johnson, H. T. 300 W. Ottawa St., Lansing  
Johnson, K. H. 1116 Olds Tower, Lansing  
Jones, Francis, Jr. 716 Olds Tower Bldg., Lansing  
June, R. C. Michigan Dept. of Health, Lansing  
Kahn, David. 401 American State Bank Bldg., Lansing  
Keim, Cameron. 301 Seymour, Lansing  
Kent, Edith Hall. 311 S. Pine, Lansing

Kent, Herbert K. 311 S. Pine, Lansing  
Kenyon, Fanny H. Michigan Dept. of Health, Lansing  
Klunzinger, Willard R. 420 W. Ottawa, Lansing  
Kraft, L. C. Leslie  
Landy, G. R. 226 S. Walnut, Lansing  
Lanting, Helen E. 611 Ardson, East Lansing  
Lanting, Roelof. 207 City Hall, Lansing  
Laughead, Charles. 108 E. St. Joseph, Lansing  
Lauzun, Virginia. 309 W. Main, Lansing  
LeDuc, Don M. 310 Townsend St., Lansing  
Leeder, Fred S. Mich. Dept. of Health, Lansing  
LeVett, Harry L. 1317 E. Michigan, Lansing  
Loree, Maurice C. 120 W. Hillsdale, Lansing  
Lucas, T. H. 426 W. Ottawa, Lansing  
Ludlum, L. C. 1126 W. Saginaw St., Lansing  
Martin, Wayne O. 1017 Cleo, Lansing  
McConnell, E. G. (R) 212 Leslie St., Lansing  
McCorvie, C. Ray. 129 East Grand River, East Lansing  
McCoy, Earl M. (R) Grand Ledge  
McCrumb, R. R. 930 N. Washington, Lansing  
McElmurry, Leland R. 209 N. Walnut, Lansing  
McGillicuddy, Oliver B. 1816 Olds Tower, Lansing  
McGillicuddy, R. J. 300 W. Ottawa, Lansing  
McIntyre, J. E. 1101 S. Washington Ave., Lansing  
McNamara, B. E. 326 Townsend, Lansing  
McNamara, William E. 326 Townsend, Lansing  
Meade, Robert J. 1023-25 East Michigan Ave., Lansing  
Meade, William H. 1023 E. Michigan, Lansing  
Mercer, W. E. 304 Evergreen, East Lansing  
Meyer, Hugh R. (R) 511 N. Jenison, Lansing  
Monfort, Robert. Health Center, MSC, East Lansing  
Morrow, R. J. 409 W. Ottawa, Lansing  
Ochsner, P. J. Fisher Body Plant, Lansing  
Parker, Earl E. Leslie  
Pinkham, R. A. 535 N. Capitol Ave., Lansing  
Place, Edwin H. Oldsmobile Division, Lansing  
Pomeroy, Richard W. 420 W. Ottawa St., Lansing  
Ponton, Joseph. 117 E. Oak St., Mason  
Poppen, C. J. Mich. Dept. of Health, Lansing  
Potter, Earl C. 122 W. Hillsdale, Lansing  
Prall, H. J. 505 Bauch Bldg., Lansing  
Price, Florence. 4341 W. Delhi, Holt  
Randall, O. M. 702 American State Bank Bldg., Lansing  
Rector, Frank L. 428 Wildwood, Jackson  
Reynolds, E. E. 153 E. Grand River Ave., Williamston  
Richardson, F. D. DeWitt  
Richardson, M. L. Sparrow Hospital, Lansing  
Robson, Edmund J. 215 N. Walnut, Lansing  
Roza, J. S. 511 Bank of Lansing Bldg., Lansing  
Roza, M. M. 512 Olds Tower, Lansing  
Ruhmkorff, R. H. Mich. State Col. Health Center, East Lansing  
Russell, Claude V. (R) Northport  
Rutledge, Samuel. 309 Seymour, Lansing  
Sander, J. F. Cherry Hill Farm, Okemos  
Scheidt, R. Rudolph. 126 W. Grand River Ave., Lansing  
Schoff, Charles. 129 E. Grand River, Williamston  
Schultz, Arthur E. 119 E. Grand River Ave., East Lansing  
Seger, F. L. (L) 1035 Cherry St. NE, St. Petersburg, Florida  
Sharp, Mahlon. 606 W. Shiawassee St., Lansing  
Shaw, Milton. 320 Townsend, Lansing  
Sherman, G. A. 112 W. Hillsdale, Lansing  
Sichler, Harper G. 301 Seymour, Lansing  
Silverman, Irving E. 313 Tussing Bldg., Lansing  
Smith, Anthony V. 116 W. Sycamore St., Mason  
Snyder, LeMoyn. 705 American State Bank Bldg., Lansing  
Snyder, Ruth E. 234 W. Michigan, East Lansing  
Spagnuolo, A. J. 326 Townsend Ave., Lansing  
Spencer, Perry. 320 Townsend, Lansing  
Stanka, Andrew G. Grand Ledge  
Stanley, Arthur L. 223 Cowley, East Lansing  
Steiner, A. A. 416 Tussing Bldg., Lansing  
Steiner, S. D. Oldsmobile Division, General Motors Corp., Lansing  
Stiles, Frank. 2012 Olds Tower, Lansing  
Strauss, P. C. 408 American State Bank Bldg., Lansing  
Stringer, C. J. Ingham County Sanatorium, Lansing  
Swartz, F. C. 215 N. Walnut St., Lansing  
Tamblyn, F. W. 333 Seymour, Lansing  
Toothaker, K. W. 320 Townsend, Lansing  
Towne, Lawrence C. 300 W. Ottawa, Lansing  
Trescott, Robert F. 716 Olds Tower, Lansing  
Trimby, Robert H. 122 W. Hillsdale, Lansing  
Troost, F. L. 4341 W. Delhi, Holt

## ROSTER

VanderSlice, E. R. (L).....530 N. Butler St., Lansing  
 VanderZalm, T. P.....701 S. Capital Ave., Lansing  
 Wadley, Ralph.....333 Seymour, Lansing  
 Walker, Leo W.....Dept. of Pathology, St. Lawrence Hospital, Lansing  
 Webb, Roy O.....2176 Hamilton Road, Box 3, Okemos  
 Wellman, John M.....301 Seymour Ave., Lansing

Wilensky, Thomas.....301 Seymour, Lansing  
 Wiley, Harold W.....Lansing Reg. Blood Ctr., 137 N. Larch, Lansing  
 Willson, Howard S.....704 Olds Tower, Lansing  
 Wilson, Harry A.....703 S. Capitol, Lansing  
 Worthington, Ralph.....303 Tussing Bldg., Lansing

### Ionia-Montcalm Counties

Anderson, Donald H.....Portland  
 Bird, Wm. L.....Greenville  
 Bracey, L. E. (L).....Sheridan  
 Bunce, E. P.....Trufant  
 Bunce, Leo W.....Trufant  
 Cook, George H.....Ionia State Hospital, Ionia  
 Cox, T. Jefferson.....Ionia  
 Dunkin, Lloyd S.....Greenville  
 Fleming, J. C.....Pewamo  
 Fox, Harold M.....Portland  
 Freiswyk, Melvin J.....Belding  
 Geib, O. P.....Carson City  
 Glerum, John B.....Greenville  
 Hansen, Carl M.....Stanton  
 Hansen, M. M.....Greenville  
 Haskell, Robert H.....Wayne Co. Training School, Northville  
 Hoffs, M. A.....Lake Odessa  
 Holland, A. E.....Belding

House, Glenn W.....602 W. Orange, Greenville  
 Kelsey, L. E.....Lakeview  
 Kopchick, Joseph.....Muir  
 Lilly, Isaac S.....Stanton  
 McCann, John J.....Ionia  
 Marston, L. L.....Lakeview  
 Peabody, C. H. (L).....Lake Odessa  
 Reid, Harold E.....Stanton  
 Rice, Robert E.....Greenville  
 Robertson, Perry C.....Ionia State Hospital, Ionia  
 Slag, Milton E.....Saranac  
 Snider, J. D.....Ionia  
 Socha, Edmund S.....Ionia  
 Swift, E. R. (L).....Lakeview  
 Tannheimer, John F.....Ionia  
 VanLoo, J. A.....422 S. Pleasant, Belding  
 Weaver, Harry B.....Greenville

### Jackson County

Abraham, A. O.....Hudson  
 Adams, Ellis W.....517 Wildwood, Jackson  
 Ahronheim, J. H.....1410 Greenwood, Jackson  
 Anderson, W. B.....404 Carter Bldg., Jackson  
 Alter, R. H.....511 Wildwood, Jackson  
 Appel, Saul.....510 Dwight Bldg., Jackson  
 Baker, George M.....Parma  
 Bartholic, Frank W.....Homer  
 Beckwith, Sidney A.....Stockbridge  
 Bindshedler, Buell S.....704 Reynolds Bldg., Jackson  
 Brashares, Z. A.....Brooklyn  
 Bullen, G. Rex.....418 Third, Jackson  
 Clarke, Corwin S.....605 Dwight Bldg., Jackson  
 Cochrane, Wayne A. (L).....511 Wildwood, Jackson  
 Cooley, Charles W.....Mercy Hospital, Jackson  
 Cooley, Randall M.....141 East Robinson, Jackson  
 Corley, Cecil.....1201 National Bank Bldg., Jackson  
 Corley, Ennis H.....1211 W. Franklin St., Jackson  
 Cox, Ferdinand (L).....434 Wildwood Ave., Jackson  
 Culver, Guy D.....Stockbridge  
 DeMay, Cuthbert E.....403 E. Michigan, Jackson  
 DeMay, John D.....403 E. Michigan, Jackson  
 Deming, Richard C.....517 Wildwood, Jackson  
 Dengler, Charles R.....504 Third St., Jackson  
 Dickman, Harry M.....120 N. Michigan, Hudson  
 Douglas, E. W.....4000 Cooper, Jackson  
 Edmonds, John M.....Dharan, Saudi Arabia  
 Enders, W. H. (L).....1102 National Bank Bldg., Jackson  
 Filip, H. K.....755 W. Michigan Ave., Jackson  
 Finch, Russell L.....4000 Cooper, Jackson  
 Finton, Robert E.....290 W. Michigan, Jackson  
 Finton, Walter L.....290 W. Michigan Ave., Jackson  
 Foust, W. L.....Grass Lake  
 Gibson, Frank J. (L).....2056 Second Avenue N., St. Petersburg, Fla.  
 Greenbaum, Harry.....1203 Greenwood, Jackson  
 Growt, Bowers H.....Addison  
 Habenicht, Hilda.....910 Reynolds Bldg., Jackson  
 Hackett, Thomas E.....401 Carter Bldg., Jackson  
 Hackett, Thomas L.....401 Carter Bldg., Jackson  
 Hanft, Cyril F.....Springport  
 Hanna, Roger J.....1204 Fourth St., Jackson  
 Hardie, George C.....290 W. Michigan, Jackson  
 Harris, Lester J. (E).....604 W. Washington, Jackson  
 Hicks, Glenn C. (L).....615 Dwight Bldg., Jackson  
 Holst, John B.....1023 Francis St., Jackson  
 Holstein, Arthur P.....214 Ann Arbor St., Manchester  
 Huebner, R. J.....Addison  
 Huntley, W. B.....Hudson  
 Joerin, W. A.....734 Griswold, Jackson  
 Keefer, A. H.....Concord  
 Kempton, George.....290 W. Michigan, Jackson  
 Kudner, Don F.....435 Wildwood, Jackson  
 Lake, Edward.....612 First Street, Jackson  
 Landron, Daniel.....Michigan Center  
 Leahy, Edward O.....1205 National Bank Bldg., Jackson  
 Lenz, Charles R.....405 First Street, Jackson

Leonard, Clyde A.....1401 Jackson City Bank Bldg., Jackson  
 Lewis, E. F.....901 Reynolds Bldg., Jackson  
 Linden, V. E.....605 Dwight Bldg., Jackson  
 Ludwick, J. E.....326 Cortland, Jackson  
 McGarvey, W. E.....802 City Bank Bldg., Jackson  
 McLaughlin, M. J.....502 W. Michigan, Jackson  
 McLaughlin, Herbert B.....439 Wildwood Ave., Jackson  
 Meads, Jason B.....1406 City Bank Bldg., Jackson  
 Miller, Jack L.....519 North East Ave., Jackson  
 Miller, Samuel L.....601 Reynolds Bldg., Jackson  
 Munro, Colin D. (E).....806 Reynolds Bldg., Jackson  
 Munro, James E.....144 W. Pearl Street, Jackson  
 Munro, Nathan D.....806 Reynolds Bldg., Jackson  
 Murphy, Bernard M.....1010 E. Michigan Ave., Jackson  
 Newton, Ray E.....910 Reynolds Bldg., Jackson  
 O'Meara, James J.....1508 Reynolds Bldg., Jackson  
 Otis, Grant L.....1405 National Bank Bldg., Jackson  
 Payne, Andrew K.....Foote Hospital, Jackson  
 Porter, Horace W.....505 Wildwood Ave., Jackson  
 Pray, Frank F.....310 Steward Ave., Jackson  
 Pray, G. R. (E).....404 S. Jackson, Jackson  
 Ransom, F. G.....2534 Francis St., Jackson  
 Ries, Richard G.....290 W. Michigan Ave., Jackson  
 Riley, Philip A.....500 S. Jackson St., Jackson  
 Sargent, Leland E.....424 W. Michigan, Jackson  
 Sautter, W. A.....Horton  
 Scott, John A.....432 W. Michigan Ave., Jackson  
 Shaeffer, Arthur M.....290 W. Michigan Ave., Jackson  
 Shaeffer, L. Dale.....290 W. Michigan Ave., Jackson  
 Sill, Henry W.....290 W. Michigan, Jackson  
 Sirhal, Alfred M.....Brooklyn  
 Smith, Dean W.....500 W. Michigan, Jackson  
 Smith, Erma.....Cushing V.A. Hospital, Framingham, Mass.  
 Southwick, W. A. (A).....362 E. Main St., Springfield  
 Stewart, L. L., Sr. (E).....308 Edgewood, Jackson  
 Stewart, L. L., Jr.....290 W. Michigan Ave., Jackson  
 Stolberg, Carl A.....517 Wildwood Ave., Jackson  
 Stone, Ethon L.....143 N. Jackson, Jackson  
 Sugar, Samuel.....509 Reynolds Building, Jackson  
 Susskind, Myron V.....410 S. West Ave., Jackson  
 Tate, Cecil E.....1315 Francis St., Jackson  
 Taylor, Ross V.....517 Wildwood, Jackson  
 Thayer, E. A.....1104 National Bank Bldg., Jackson  
 Thalner, L. F.....609 West Michigan Ave., Jackson  
 Thompson, Tom.....290 W. Michigan, Jackson  
 Torwick, E. T.....501 Dwight Bldg., Jackson  
 Townsend, J. W.....108 Hague, Vandercook Lake, Jackson  
 Van Schoick, Frank.....419 W. High Street, Jackson  
 Van Schoick, John D.....Hanover  
 Van Wagnen, Frederick I.....434 Wildwood Ave., Jackson  
 Vivirski, Edward E.....603 South Elm St., Jackson  
 Wallace, Warren S.....816 Second St., Jackson  
 Wholihan, John W.....102 Lydia Street, Jackson  
 Wickham, Woodward A.....420 W. Michigan, Jackson  
 Wilson, Norman D. (L).....1107 Reynolds Bldg., Jackson  
 Winter, George E. (E).....420 Rogers Building, Jackson

### Kalamazoo County

Aach, Hugo.....1318 American Nat. Bank Bldg., Kalamazoo  
 Alexander, C. A.....118 W. North, Kalamazoo  
 Andersen, Glenn C.....Kalamazoo State Hospital, Kalamazoo  
 Andrews, Sherman E.....224 E. Cedar St., Kalamazoo  
 Appel, B. A.....310 Bronson Medical Center, Kalamazoo  
 Appel, William.....310 Bronson Medical Center, Kalamazoo  
 Armstrong, Robert J.....605 Hanselman Bldg., Kalamazoo  
 Banner, Lawrence R.....507 S. Burdick St., Kalamazoo  
 Barak, Herbert G.....224 McNair Bldg., Kalamazoo  
 Barnabee, James W. (L).....503 S. Burdick, Kalamazoo

Barrows, Winona M.....Pinecrest San., Oshtemo  
 Barry, M. Leroy.....Kalamazoo State Hospital, Kalamazoo  
 Behan, Gerald W.....Galesburg  
 Benjamin, Margaret H.....2217 Parchmont, Kalamazoo  
 Bennett, Charles L.....252 E. Lovell Street., Kalamazoo  
 Bennett, Keith F.....252 E. Lovell, Kalamazoo  
 Betz, Elden G.....216 Bronson Medical Center, Kalamazoo  
 Bilodeau, C. C.....207 McNair Bldg., Kalamazoo  
 Birch, W. G.....212 Bronson Med. Center, Kalamazoo  
 Bodmer, Harvey C.....403 W. Kalamazoo St., Kalamazoo

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Borgman, Wallace.....723 W. South St., Kalamazoo  
Boys, Charles E.....420 John St., Kalamazoo  
Breneman, James C.....Galesburg  
Brown, Irmel W.....306 Kalamazoo Nat. Bank Bldg., Kalamazoo  
Burbidge, Earl L.....Upjohn Co., 301 Henrietta St., Kalamazoo  
Burrell, R. B.....907 American Nat. Bank Bldg., Kalamazoo  
Chrest, Clarence P.....458 W. South St., Kalamazoo  
Cobb, Horace R.....305 Pythian Bldg., Kalamazoo  
Conrad, Maynard M.....252 E. Lovell St., Kalamazoo  
Cook, Ralph G.....222 McNair Bldg., Kalamazoo  
Cooper, Paul F.....252 E. Lovell St., Kalamazoo  
Crane, Warren B.....420 S. Rose St., Kalamazoo  
Crawford, Kenneth L.....612 Douglas Ave., Kalamazoo  
Creager, Ray O.....823 Wheaton, Kalamazoo  
Cretsinger, Francis C.....224 E. Cedar St., Kalamazoo  
Currier, R. K.....6646 Portage St., Kalamazoo  
Dahlstrom, Doris E.....723 S. Westnedge Ave., Kalamazoo  
Dana, Robert L.....1359 Portage St., Kalamazoo  
DeGroat, Albert F.....458 W. South St., Kalamazoo  
Delbert, Stewart G.....530 W. Lovell St., Kalamazoo  
Dew, Robert R.....252 E. Lovell, Kalamazoo  
DeWitt, Norman L.....802 Hanselman Bldg., Kalamazoo  
Doezema, E. R. (A).....316 Bronson Medical Center, Kalamazoo  
Dowd, B. J.....420 John St., Kalamazoo  
Doyle, Frederick M.....1001 American Nat. Bank Bldg., Kalamazoo  
Estill, Don V.....414 W. Patterson St., Kalamazoo  
Fast, R. B.....1410 American Nat. Bank Bldg., Kalamazoo  
Fath, August F.....907 American Nat. Bank Bldg., Kalamazoo  
Finton, Max A.....252 E. Lovell, Kalamazoo  
Fopeano, John V.....815 American Nat. Bank Bldg., Kalamazoo  
Fulkerson, C. B. (L).....402 Kalamazoo Nat. Bank Bldg., Kalamazoo  
Fuller, Paul M.....419 S. Burdick St., Kalamazoo  
Gerstner, Louis W.....420 John St., Kalamazoo  
Gilding, Joseph P.....114 W. Washington, Vicksburg  
Goodhue, Lolita.....915 American Nat. Bank Bldg., Kalamazoo  
Grant, Frederick E. (E).....214 Douglas Ave., Kalamazoo  
Green, William L.....810 American Nat. Bank Bldg., Kalamazoo  
Gregg, U. Sherman.....334 S. Park St., Kalamazoo  
Grekin, R. H.....1310 American Nat. Bank Bldg., Kalamazoo  
Hammer, J. M.....100 Maple St., Parchment  
Hanson, Curtis M.....217 Bronson Medical Center, Kalamazoo  
Hayner, Russell A.....1043 E. Cork St., Kalamazoo  
Heersma, H. Sidney.....252 E. Lovell, Kalamazoo  
Herbert, Walter N.....422 John St., Kalamazoo  
Hildreth, Rose C.....458 W. South St., Kalamazoo  
Hodgman, Albert B.....612 Douglas, Kalamazoo  
Hoebke, W. G.....212 Bronson Medical Center, Kalamazoo  
Holder, Charles O.....Kalamazoo State Hospital, Kalamazoo  
Howard, R. Grant.....Borgess Hospital, Suite 583, Kalamazoo  
Howard, Willard H.....1602 Gull Road, Kalamazoo  
Hubbell, R. J.....315 Bronson Med. Center, 252 E. Lovell St., Kalamazoo  
Huyser, William C.....427 S. Burdick St., Kalamazoo  
Irwin, William D.....805 Hanselman Bldg., Kalamazoo  
Jackson, Howard C.....252 E. Lovell St., Rm. 220, Kalamazoo  
Jennings, Wesley O.....420 John St., Kalamazoo  
Kavanaugh, Wm. R.....612 Douglas, Kalamazoo  
Kilgore, Robert N.....252 E. Lovell St., Kalamazoo  
Klerk, William J.....224 E. Cedar St., Kalamazoo  
Koestner, Paul A.....1303 Portage, Kalamazoo  
Lambert, Rudolph H.....Fairmount Hospital, Kalamazoo  
Lavender, Howard C.....252 E. Lovell St., Kalamazoo  
Lawrence, James O.....301 Henrietta St., Kalamazoo  
Light, Richard U.....828 W. South St., Kalamazoo  
Light, S. Rudolph.....503 American Nat. Bank Bldg., Kalamazoo

Littig, John D.....815 American Nat. Bank Bldg., Kalamazoo  
Locklin, W. K.....1410 American Nat'l Bank Bldg., Kalamazoo  
Loynd, J. W.....1010 American Nat. Bank Bldg., Kalamazoo  
MacDonald, Marshall A.....319 Bronson Medical Center, Kalamazoo  
MacGregor, J. R.....100 Maple St., Parchment  
Machin, Harold A.....420 John St., Kalamazoo  
Malone, James G.....420 John St., Kalamazoo  
Margolis, Frederick J.....909 American Nat. Bank Bldg., Kalamazoo  
Marshall, Don.....252 E. Lovell St., Kalamazoo  
Marshall, William P.....160 Edgemoor Avenue, Kalamazoo  
Martens, Irvin J.....252 E. Lovell St., Kalamazoo  
McCarthy, Joseph S.....1005 Oakland Dr., Kalamazoo  
Moe, Carl R.....316 Henrietta St., Kalamazoo  
Morse, Wm. R.....c/o Del Vista San., Plainwell  
Morter, Roy A.....Kalamazoo State Hospital, Kalamazoo  
Nell, Edward R., Lt. Comdr. USNR (M).....NAS, Pensacola, Florida  
Nibbelink, B.....903 Hanselman Bldg., Kalamazoo  
Patmos, Martin.....306 Bronson Medical Center, Kalamazoo  
Pearson, Edwin O.....458 W. South St., Kalamazoo  
Peelen, J. William.....316 Henrietta St., Kalamazoo  
Peelen, Matthew.....320 Bronson Medical Center, Kalamazoo  
Perry, Clifton W.....1307 American Nat. Bank Bldg., Kalamazoo  
Pier, C. T.....91 Vale St., Battle Creek  
Pratt, F. A. (L).....517 S. Rose St., Kalamazoo  
Prentice, Hazel R.....458 W. South St., Kalamazoo  
Prothro, Winston B.....241 W. South St., Kalamazoo  
Pullon, Alton E.....422 John St., Kalamazoo  
Rasmussen, Leo B.....Vicksburg  
Rigterink, Gerald H.....1110 American Nat. Bank Bldg., Kalamazoo  
Rigterink, H. A. (L).....321 S. Burdick St., Kalamazoo  
Roberts, Millard S.....303 American Nat. Bank Bldg., Kalamazoo  
Rockwell, Donald C.....1418 American Nat. Bank Bldg., Kalamazoo  
Ryan, Frederick C.....507 S. Burdick, Kalamazoo  
Sage, Edward D. (L).....127 S. Burdick, Kalamazoo  
Scholten, D. J.....522 S. Burdick, Kalamazoo  
Scholten, Roger A.....252 E. Lovell St., Kalamazoo  
Scholten, William (R).....Kalamazoo State Hospital, Kalamazoo  
Schrier, Clarence M.....Kalamazoo State Hospital, Kalamazoo  
Schrier, Paul G.....317 Bronson Medical Center, Kalamazoo  
Schrier, Thomas.....Box 88, Comstock  
Scott, William A.....208 Bronson Medical Center, Kalamazoo  
Shackleton, William E. (R).....420 S. Rose St., Kalamazoo  
Shook, Ralph W.....611 American Nat. Bank Bldg., Kalamazoo  
Siemens, W. J.....252 Lovell, Room 316, Kalamazoo  
Simpson, Bernard W.....610 S. Burdick St., Kalamazoo  
Sisk, Wilfred N.....Upjohn Co., 301 Henrietta St., Kalamazoo  
Slatmyer, Karel R.....605 Hanselman Bldg., Kalamazoo  
Smith, T. C.....Kalamazoo State Hospital, Kalamazoo  
Sofen, Morris B.....603 Kalamazoo Nat. Bank Bldg., Kalamazoo  
Southworth, Maynard N.....Box 36, Schoolcraft  
Stiller, Anthony F.....Pinecrest San., Kalamazoo  
Stryker, Homer H.....Suite 583, Borgess Hospital, Kalamazoo  
Upjohn, E. G.....Upjohn Co., 301 Henrietta St., Kalamazoo  
Upjohn, Lawrence N.....Upjohn Co., 301 Henrietta St., Kalamazoo  
VanderVelde, Kenneth M.....320 Bronson Medical Center, Kalamazoo  
Verhage, Martin D.....420 S. Rose St., Kalamazoo  
Volderauer, John C.....458 W. South St., Kalamazoo  
Warnke, Robert D.....252 E. Lovell, Kalamazoo  
Westcott, Leo P.....420 John St., Kalamazoo  
Wilbur, E. P. (E).....438 W. South St., Kalamazoo  
Williamson, Edwin M.....315 Bronson Med. Center, Kalamazoo  
Youngs, A. S. (E).....416 S. Burdick, Kalamazoo  
Youngs, Cyril A.....416 S. Burdick, Kalamazoo  
Zolen, Margaret H.....224 E. Cedar, Kalamazoo

## Kent County

Adams, Frank A.....526 Leonard St. N.W., Grand Rapids  
Aitken, George T.....Kendall Professional Bldg., Grand Rapids  
Albers, G. Donald.....Monument Square Bldg., Grand Rapids  
Alfenito, Felix S.....Medical Arts Bldg., Grand Rapids  
Allen, R. V.....1669 Plainfield N.E., Grand Rapids  
Anderson, Karl A.....Michigan Veteran Fac., Grand Rapids  
Andre, Harvey M.....201 Medical Arts Bldg., Grand Rapids  
Avery, Noyes L.....309 Kendall Professional Bldg., Grand Rapids  
Baker, Abel J. (L).....Ashton Bldg., Grand Rapids  
Baert, George H. (E).....218 Kendall Bldg., Grand Rapids  
Ballard, Milner S.....1516 Grand Rapids Nat. Bank, Grand Rapids  
Balyeat, Gordon W.....Blodgett Memorial Bldg., Grand Rapids  
Beaton, James H.....East Bldg., Grand Rapids  
Beeman, Carl B.....509 Kendall Professional Bldg., Grand Rapids  
Beets, W. Clarence.....Loraine Bldg., Grand Rapids  
Bell, Charles M.....Kendall Prof. Bldg., Grand Rapids  
Benjamin, Howard G.....514 Medical Arts Bldg., Grand Rapids  
Benson, Roland R.....St. Mary's Hospital, Grand Rapids  
Bergsma, Stuart (A).....Luthiana East Punjab, India  
Bettison, William L. (A).....Lamont  
Beukema, Marenus J.....6850 S. Division, Grand Rapids  
Billings, Elton P. (L).....212 Kendall Bldg., Grand Rapids  
Blackburn, Henry M.....Metz Bldg., Grand Rapids  
Bloxxom, Paul W.....203 Loraine Bldg., Grand Rapids  
Boelkins, Richard C.....125 Fountain N.E., Grand Rapids  
Boersma, Donald.....Medical Arts Bldg., Grand Rapids  
Boet, Frank A. (L).....849 Scribner N.W., Grand Rapids  
Boet, John T.....503 Loraine Bldg., Grand Rapids  
Bond, George L. (L).....Rapid City  
Bosch, Leon C.....Medical Arts Bldg., Grand Rapids  
Boyce, D. C.....Metz Bldg., Grand Rapids  
Brace, Fred C.....1498 Lake Dr. S.E., Grand Rapids  
Brayman, Charles W. (L).....Cedar Spring

Brink, J. Russell.....308 Metz Bldg., Grand Rapids  
Brook, Jacob D. (L).....Grandville  
Brotherhood, James S.....1749 Breton Rd. S.E., Grand Rapids  
Browning, Eugene S.....303 Keith Theatre Bldg., Grand Rapids  
Buist, S. J.....55 Sheldon S.E., Grand Rapids  
Bull, Frank L.....Sparta  
Burlson, John S.....531 Greenwood S.E., Grand Rapids  
Burling, Wesley M.....758 Michigan St. N.E., Grand Rapids  
Burroughs, Frank M.....11 Wilson, Grandville  
Butler, Wm. J.....324 Medical Arts Bldg., Grand Rapids  
Byers, Earle J.....410 Medical Arts Bldg., Grand Rapids  
Byrd, Mary Lou.....700 Kent Hills Dr. N.E., Grand Rapids  
Campbell, Alexander M. (E).....Oakwood Manor, 345 Cherry St., S.E., Grand Rapids  
Carpenter, Luther C.....Metz Bldg., Grand Rapids  
Cayce, William.....Grand Rapids Nat. Bank, Grand Rapids  
Chamberlain, Louis H. (L).....441 Crescent N.E., Grand Rapids  
Chandler, Donald.....719 Ashton Bldg., Grand Rapids  
Clawson, Carroll K.....1144 Madison S.E., Grand Rapids  
Clayton, Robert W.....142 Michigan N.W., Grand Rapids  
Colvin, Walter G.....Loraine Bldg., Grand Rapids  
Corbus, Burton R. (L).....Metz Bldg., Grand Rapids  
Crane, Harold D.....Medical Arts Bldg., Grand Rapids  
Cronick, Anne B.....124 Michigan N.E., Grand Rapids  
Currier, F. P.....626 Medical Arts Bldg., Grand Rapids  
Dales, Ernest W., 1424 Grand Rapids Nat'l Bank Bldg., Grand Rapids  
Damstra, Harold J.....1115 Wealthy St. S.E., Grand Rapids  
Davis, David B.....403 Med. Arts Bldg., 26 Sheldon Ave. S.E., Grand Rapids  
Dean, Alfred.....26 Sheldon S.E., Grand Rapids  
DeBoer, Guy W.....220 Medical Arts Bldg., Grand Rapids  
DeMaagd, Gerald.....Rockford  
DeMol, Richard J.....1414 Eastern S.E., Grand Rapids

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Denham, R. H.	Metz Bldg.,	Grand Rapids	Meade, Richard H., Jr.	Blodgett Medical Bldg.,	Grand Rapids
DePree, Isla G.	Kendall Bldg.,	Grand Rapids	Meeuwse, Bernard	Medical Arts Bldg.,	Grand Rapids
DePree, Joseph	Blodgett Medical Bldg.,	Grand Rapids	Mehney, Gayle H.	Medical Arts Bldg.,	Grand Rapids
Deurloo, Henry W.	3425 S. Division Ave.,	Godwin Heights, Grand Rapids	Miller, J. Duane	6th Floor Metz Bldg.,	Grand Rapids
DeVel, Leon	739 Plymouth S.E.,	Grand Rapids	Miller, John J.		Marne
DeVries, Daniel	1414 Eastern S.E.,	Grand Rapids	Mitchell, W. B.	Medical Arts Bldg.,	Grand Rapids
Dewey, Kent A.	607 Medical Arts Bldg.,	Grand Rapids	Moen, Cornetta G.	53 Lafayette S.E.,	Grand Rapids
DeYoung, Thies		Sparta	Moleski, Joseph V.	Medical Arts Bldg.,	Grand Rapids
Dick, Mark W.	1508 Grand Rapids Nat. Bank,	Grand Rapids	Moleski, Leo T.	528 Medical Arts Bldg.,	Grand Rapids
Diskey, Donald	634 Bridge N.W.,	Grand Rapids	Moleski, Stanley L.	528 Medical Arts Bldg.,	Grand Rapids
Docter, Leubert L.	Medical Arts Bldg.,	Grand Rapids	Moll, Arthur M.	Powers Theater Bldg.,	Grand Rapids
Doran, Frank L.	Metz Bldg.,	Grand Rapids	Montgomery, John C.	Blodgett Medical Bldg.,	Grand Rapids
Droste, James C.	72 Sheldon S.E.,	Grand Rapids	Mouw, Dirk	1850 Division S.,	Grand Rapids
Du Bois, Wm. J. (L.)		Kaleva	Mulder, G. Arthur	68 Ransom N.E.,	Grand Rapids
Ducey, Edward F.	St. Mary's Hospital,	Grand Rapids	Mulder, J. D.	Christian Hosp., 68th & Division Sts.,	Grand Rapids
Dyer, David P.	62 Ransom N.E.,	Grand Rapids	Murphy, Miles J.	754 W. Fulton,	Grand Rapids
Eaton, Robert M.	12 Burton S.E.,	Grand Rapids	Nanzig, Reinard P.	East Building,	Grand Rapids
Eggleston, H. R.	117 Page N.E.,	Grand Rapids	Nickel, Kenneth C.	Med. Arts Bldg.,	Grand Rapids
Ellis, M. E.	409 Division S.,	Grand Rapids	Noordewier, Albert (L.)	1518 Grand Rapids Nat. Bank Bldg.,	Grand Rapids
Fahlund, George T. R.	Medical Arts Bldg.,	Grand Rapids	Northouse, Peter B.	Medical Arts Bldg.,	Grand Rapids
Failing, John F.	502 Metz Bldg.,	Grand Rapids	Notier, Victor A.	Medical Arts Bldg.,	Grand Rapids
Farber, Charles E.	408 Metz Bldg.,	Grand Rapids	Oliver, Walter W.	318 Medical Arts Bldg.,	Grand Rapids
Faust, Lawrence W.	425 Medical Arts Bldg.,	Grand Rapids	Osborn, Howard A.	531 Greenwood S.E.,	Grand Rapids
Fellows, Kenneth E.	Metz Bldg.,	Grand Rapids	Paalman, Russell J.	1144 Madison Ave. S.E.,	Grand Rapids
Ferguson, James A.	72 Sheldon S.E.,	Grand Rapids	Patterson, P. Wilfred	2000 S. Division,	Grand Rapids
Ferguson, Lynn A.	72 Sheldon S.E.,	Grand Rapids	Payne, C. Allen	Blodgett Memorial Hosp.,	Grand Rapids
Ferguson, W. S. (R.)	Route 1, Ludington	Grand Rapids	Pearson, Glenn A.	Med. Arts Bldg.,	Grand Rapids
Ferrand, Louis G.	119 N. Monroe, Rockford	Grand Rapids	Pedden, John R., Jr.	1144 Madison,	Grand Rapids
Fitts, Ralph L.	Metz Bldg.,	Grand Rapids	Plekker, J. D.	6850 Division S.,	Grand Rapids
Flynn, J. Donald	240 Kendall Prof. Bldg., 12-18 Monroe N.E.,	Grand Rapids	Posthuma, A. E.	Med. Arts Bldg.,	Grand Rapids
Fochtman, T. W.		Sparta	Posthuma, Millard M.	Med. Arts Bldg.,	Grand Rapids
Foshee, J. Clinton	Suite 602, Loraine Bldg.,	Grand Rapids	Pott, A. L.	1011 E. Fulton,	Grand Rapids
Fralick, E. Howard (M.)	Blodgett Med. Bldg.,	Grand Rapids	Pyle, Henry J.	513 Medical Arts Bldg.,	Grand Rapids
Frantz, Charles H.	Blodgett Med. Bldg.,	Grand Rapids	Ragsdale, L. V.	Butterworth Hospital,	Grand Rapids
Fuller, E. H.	702 Ashton Bldg.,	Grand Rapids	Ralph, L. Paul	402 Metz Bldg.,	Grand Rapids
Fuller, W. J.	Medical Arts Bldg.,	Grand Rapids	Rasmussen, R. A.	Blodgett Med. Bldg.,	Grand Rapids
Gadzickowski, I. T.	Sunshine Sanatorium,	Grand Rapids	Reames, Harold R.	310 Fulton East,	Grand Rapids
Gamm, Kenneth E.	East Bldg.,	Grand Rapids	Reed, Torrance	Ashton Bldg.,	Grand Rapids
Gibbs, Floyd F.	4327 Division Ave.,	Grand Rapids	Reus, William F.	24 Burton S.E.,	Grand Rapids
Gillett, Frederick S. (M.)	1810 Longshore Dr., Ann Arbor	Grand Rapids	Riekke, J. M.	1916 Division S.,	Grand Rapids
Gosling, R. J. (M.)	Birch Hill, Saskatchewan, Canada	Grand Rapids	Rigterink, John W.	Metz Bldg.,	Grand Rapids
Grant, Lee O.	420 Medical Arts Bldg.,	Grand Rapids	Riley, G. L.	1419 Coit N.E.,	Grand Rapids
Grant, Lucile R.	Blodgett Med. Bldg.,	Grand Rapids	Ringenberg, J. C.	Medical Arts Bldg.,	Grand Rapids
Grass, Edward J.	758 Cherry S.E.,	Grand Rapids	Robb, Charles S.	1144 Madison S.E.,	Grand Rapids
Gray, Fred B.	Medical Arts Bldg.,	Grand Rapids	Robbert, J. H.	11 S. Wilson, Grandville	Grand Rapids
Graybiel, George P.		Caledonia	Roberts, Mortimer E. (E.)	516 Medical Arts Bldg.,	Grand Rapids
Griffith, Lucian S.	Kendall Prof. Bldg.,	Grand Rapids	Robinson, Harold C.	509 Medical Arts Bldg.,	Grand Rapids
Haack, William	1414 Eastern S.E.,	Grand Rapids	Rodgers, William L.	616 Bridge N.W.,	Grand Rapids
Hagerman, D. B.	203 Medical Arts Bldg.,	Grand Rapids	Rosenzweig, Leonard	East Bldg.,	Grand Rapids
Hayes, Lawrence W., Sr.		Howard City	Roth, Emil M.	55 Sheldon S.E.,	Grand Rapids
Heetderks, Dewey R.	405 Medical Arts Bldg.,	Grand Rapids	Ryan, John A.	Medical Arts Bldg.,	Grand Rapids
Henry, James, Jr. (E.)	38 Monroe Street N.W.,	Grand Rapids	Sanders, J. F.	Medical Arts Bldg.,	Grand Rapids
Herrick, Ruth	303 Medical Arts Bldg.,	Grand Rapids	Schaubel, Howard J.	Loraine Bldg.,	Grand Rapids
Hill, A. Morgan	310 E. Fulton,	Grand Rapids	Schermerhorn, L. J.	Grand Rapids Nat. Bank Bldg.,	Grand Rapids
Hodgen, John T.	Blodgett Medical Bldg.,	Grand Rapids	Schneider, G. R.	Blodgett Medical Bldg.,	Grand Rapids
Hoff, Albertus J.	Medical Arts Building,	Grand Rapids	Schnoor, E. W.	216 Medical Arts Bldg.,	Grand Rapids
Holcomb, J. Winslow	1315 Grand Rapids Nat. Bank,	Grand Rapids	Schnute, Louise F.	Grand Rapids Nat. Bank Bldg.,	Grand Rapids
Holdsforth, M. J.	Loraine Bldg.,	Grand Rapids	Schuitema, Donald M.	Blodgett Medical Bldg.,	Grand Rapids
Holkeboer, Henry D.	1925 Eastern Ave. S.E.,	Grand Rapids	Scott, William B.	114 1/2 Michigan N.W.,	Grand Rapids
Hollander, Stephen	1600 Grandville Ave.,	Grand Rapids	Sculley, Raymond E.	126 Burton S.E.,	Grand Rapids
Hoogerhyde, Jack	504 Loraine Bldg.,	Grand Rapids	Sevensma, Elisha S. (L.)	2114 Anderson Dr. S.E.,	Grand Rapids
Hufford, A. R.	260 Jefferson S.E.,	Grand Rapids	Sevensma, Eugene S.	1317 Gr. Rap. Nat. Bk. Bldg.,	Grand Rapids
Humbreys, James C.	127 Fountain N.E.,	Grand Rapids	Sevey, Leon E.	400 Medical Arts Bldg.,	Grand Rapids
Hunderman, Edward	538 Eastern Ave. S.E.,	Grand Rapids	Shellman, Millard W.	Metz Bldg.,	Grand Rapids
Hyland, William A.	Metz Bldg.,	Grand Rapids	Shepard, B. H.		Lowell
Ireland, H. D.	Sunshine Sanatorium,	Grand Rapids	Sidell, Chester M.	312 Fulton Street S.E.,	Grand Rapids
Jack, William W.	Blodgett Medical Bldg.,	Grand Rapids	Sidell, Richard H.	312 E. Fulton,	Grand Rapids
Jameson, Fred M.	1521 Grand Rapids Nat. Bank,	Grand Rapids	Siebers, Bernard H.	1402 Madison Ave. S.E.,	Grand Rapids
Jaracz, Walter J.	634 Bridge St. N.W.,	Grand Rapids	Slemmons, Clyde C. (L.)	Grand Rapids City Hall,	Grand Rapids
Jarvis, Charles	1520 Plainfield N.E.,	Grand Rapids	Sluyter, J. S.	1034 Franklin S.E.,	Grand Rapids
Jellema, John F.	Medical Arts Bldg.,	Grand Rapids	Smith, A. B.	Metz Bldg.,	Grand Rapids
Johnston, William L.	Metz Bldg.,	Grand Rapids	Smith, Edwin M.	201 Kendall Prof. Bldg.,	Grand Rapids
Jones, Horace C.	Blodgett Memorial Hosp.,	Grand Rapids	Smith, Ferris N.	Blodgett Medical Bldg.,	Grand Rapids
Kelly, Edward F.	Loraine Bldg.,	Grand Rapids	Smith, R. Earle	709 Ashton Bldg.,	Grand Rapids
Kempter, Albert H.	1200 Lake Drive S.E.,	Grand Rapids	Smith, Robert B.	125 Fountain N.E.,	Grand Rapids
Kendall, Eugene L.	360 Division St. S.,	Grand Rapids	Snyder, Clarence H.	200 Medical Arts Bldg.,	Grand Rapids
Klaus, C. D.	1498 Lake Drive S.E.,	Grand Rapids	Southwich, G. Howard	55 Sheldon Ave. S.E.,	Grand Rapids
Kniskern, Paul W.	421 Medical Arts Bldg.,	Grand Rapids	Steffensen, Wallace H.	Blodgett Medical Bldg.,	Grand Rapids
Kooistra, Henry P.	Medical Arts Bldg.,	Grand Rapids	Stonehouse, G. G.	408 Medical Arts Bldg.,	Grand Rapids
Kreulen, Henry J.	2452 Godwin Ave.,	Grand Rapids	Stover, Virgil E.	1719 Madison S.E.,	Grand Rapids
Kriekard, P. J. (L.)	735 Leonard N.W.,	Grand Rapids	Stuart, Gerhardus J. (L.)	Metz Bldg.,	Grand Rapids
Kruse, Wm. T.	312 E. Fulton,	Grand Rapids	Sugg, Cullen E.	303 E. Fulton,	Grand Rapids
Laird, Robert G.	509 Metz Bldg.,	Grand Rapids	Sugiyama, Tituo	Loraine Bldg.,	Grand Rapids
Lamberts, Austin E.	68 Ransom Ave. N.E.,	Grand Rapids	Swenson, H. C.	Loraine Bldg.,	Grand Rapids
Lanning, N. E.	1200 Madison S.E.,	Grand Rapids	Ten Have, John	806 Leonard N.W.,	Grand Rapids
Lentini, Joseph R.	518 Metz Bldg.,	Grand Rapids	Tessene, Arthur J.	242 Jefferson Ave. S.E.,	Grand Rapids
Lieffers, Harry	400-2 Medical Arts Bldg.,	Grand Rapids	Teusink, J. H.		Cedar Springs
Lillie, W. I.	Loraine Bldg.,	Grand Rapids	Thompson, Athol B.	Blodgett Medical Bldg.,	Grand Rapids
List, Carl F.	626 Medical Arts Bldg.,	Grand Rapids	Thompson, Edward C.	Medical Arts Bldg.,	Grand Rapids
Logie, James W.	6th Floor, Metz Bldg.,	Grand Rapids	Thompson, Frank D.	Blodgett Medical Bldg.,	Grand Rapids
MacDonell, James A.	619 Gladstone Ave. S.E.,	Grand Rapids	Tidey, Marcus B.	456 Cherry S.E.,	Grand Rapids
MacIntyre, Dugald	456 Cherry S.E.,	Grand Rapids	Tiffany, Joseph C.	401 Metz Bldg.,	Grand Rapids
Marsh, John P.	Ashton Bldg.,	Grand Rapids	Torgerson, Wm. R.	Metz Bldg.,	Grand Rapids
Martinius, Martin	525 Overbrook Lane S.E.,	Grand Rapids	Truog, C. P.	201 Metz Bldg.,	Grand Rapids
Maynard, Mason S.	1144 Madison S.E.,	Grand Rapids	Uthoff, Carl W.	1520 Plainfield N.E.,	Grand Rapids
McCormick, John K.	1371 N. Plainfield Ave. N.E.,	Grand Rapids	VanBelois, Harvard J.	522 Medical Arts Bldg.,	Grand Rapids
McDougal, Wm. J.	127 Fountain N.E.,	Grand Rapids	VanBree, R. S.	204 Loraine Bldg.,	Grand Rapids
McDougal, Clarice	310 E. Fulton St.,	Grand Rapids	Vanden Berg, Allison	Medical Arts Bldg.,	Grand Rapids
McKay, O. D.	207 W. Main,	Lowell	VandenBerg, Henry J.	Blodgett Medical Bldg.,	Grand Rapids
McKenna, Joseph L.	Medical Arts Bldg.,	Grand Rapids	VanderMeer, Ray	Medical Arts Bldg.,	Grand Rapids
McKinley, Leland M.	604 Loraine Bldg.,	Grand Rapids	Vanderploeg, William H.	1209 Kalamazoo S.E.,	Grand Rapids
			VanDuine, Henry J.	Medical Arts Bldg.,	Grand Rapids

## ROSTER

VanNoord, Gelmer A.....6850 Division S., Grand Rapids  
 Van Pernis, Paul A.....Butterworth Hospital, Grand Rapids  
 Van Portfiet, Paul.....505 Medical Arts Bldg., Grand Rapids  
 Van Solkema, Andrew A.....953 E. Fulton, Grand Rapids  
 Van Solkema, Arthur.....64 State W., Grandville  
 Van't Hof, Albert.....Metz Bldg., Grand Rapids  
 Van Woerkom, Daniel.....750 W. Leonard, Grand Rapids  
 Van Zwalenburg, Benjamin R.....Metz Bldg., Grand Rapids  
 Veldman, Harold E.....1418 Plainfield Ave., Grand Rapids  
 Venema, Jay R.....Medical Arts Bldg., Grand Rapids  
 VerMeulen, John.....2400 Wyoming Park, Grand Rapids  
 Verwys, A. L. Hubert.....815 Alger S.E., Grand Rapids  
 Vining, Keats K., Jr.....Medical Arts Bldg., Grand Rapids  
 Vis, William R.....412 Medical Arts Bldg., Grand Rapids  
 Vyn, Jay D.....3329 Coit N.E., Grand Rapids  
 Webber, Jerome.....310 E. Fulton St., Grand Rapids

Weller, Keith E.....1200 Lake Dr. S.E., Grand Rapids  
 Wells, Merrill.....407 Metz Bldg., Grand Rapids  
 Wenger, Aaron V.....302 Loraine Bldg., Grand Rapids  
 Wenger, John N.....Coopersville  
 Whalen, John M. (M)....Post Surg., Marine Barr., Camp Pendleton, Oceanside, Calif.  
 Whinery, J. B. (E).....1403 Green Cove Rd., Winter Park, Fla.  
 Whinery, J. F.....1403 Green Cove Rd., Winter Park, Fla.  
 Wiarda, Roy J. (M).....1553 Plainfield, Grand Rapids  
 Willits, Paul W.....Blodgett Medical Bldg., Grand Rapids  
 Wilson, William E. (R).....37 Prospect Ave. N.E., Grand Rapids  
 Winter, G. E.....1967 Godfrey S.W., Grand Rapids  
 Wright, Thomas B.....1571 Wealthy S.E., Grand Rapids  
 Wurze, John F.....Medical Arts Bldg., Grand Rapids  
 Yegge, J. P.....Kent City

### Lapeer County

Biggs, Robert.....North Branch  
 Bishop, G. Clare.....Almont  
 Burley, David H. (E).....Almont  
 Chapin, Clarence D.....Columbiaville  
 Dorland, Clarke.....Clay Street, Lapeer  
 Doty, James R.....Clay Street, Lapeer  
 Lass, E. H.....Lapeer  
 McBride, John R.....915 Liberty St., Lapeer

Merz, Henry G. (E).....Lapeer  
 O'Brien, Daniel J.....Nepessig St., Lapeer  
 Rehn, Adolph T.....Asst. Med. Supt., Lapeer State Home, Lapeer  
 Smith, Glenn L.....131 East Third St., Imlay City  
 Thomas, J. Orville (E).....North Branch  
 Zemmer, Harry B.....Clay Street, Lapeer  
 Zolliker, Carl R.....240 Main St., Imlay City

### Lenawee County

Allen, Russell A.....231 N. Main St., Adrian  
 Benz, Carl A.....150 Toledo St., Adrian  
 Blair, Thomas H.....National Bank Bldg., Adrian  
 Blanchard, Lowell E.....301½ W. Main, Hudson  
 Blanden, Merwin R.....Ford Bldg., Tecumseh  
 Boyd, James W.....Clayton  
 Claxton, W. T.....136 Chicago St., Britton  
 Cogar, C. W.....317 S. Huron, Ypsilanti  
 Colbath, W. E.....1027 Seneca St., Fairfield, Adrian  
 Dustin, Richard E.....309 N. Union St., Tecumseh  
 Eddy, H. R. C.....Adrian  
 Hamilton, John D.....121 E. Maumee, Adrian  
 Hammel, H. H.....2 S. Pearl, Tecumseh  
 Hardy, P. B. (L).....202 W. Chicago Blvd., Tecumseh  
 Harrison, R. E., 1st Lt. (M).....U.S.A.F. (MC), Base Hospital F. E. Warren, A.F.B., Wyoming  
 Heffron, Charles (M).....909 E. Butler, Adrian  
 Heffron, Howard H.....231 N. Main St., Adrian  
 Helzerman, Ralph F.....1145 Ottawa St., Tecumseh  
 Hewes, William H.....146 E. Maumee St., Adrian  
 Hinshaw, Warren V.....139½ N. Main St., Adrian  
 Hornsby, W. B.....132 E. Chicago, Clinton

Hunter, T. B.....201 National Bank Bldg., Adrian  
 Isley, Homer E.....115 W. Adrian St., Blissfield  
 Loveland, Horace H. (E).....220 Chicago Blvd., Tecumseh  
 Marsh, R. G. B.....610 W. Logan, Tecumseh  
 Mast, Wesley H.....106 N. Democrat St., Tecumseh  
 Miller, Perry L.....310 E. Maumee St., Adrian  
 Morden, Esli T.....109 E. Maumee St., Adrian  
 Parker, D. A.....635 W. Maumee St., Adrian  
 Pasternacki, Arthur S.....206 East Front St., Adrian  
 Patmos, Bernard.....127½ E. Maumee St., Adrian  
 Purfield, William P.....545 W. Main, Manchester  
 Raabe, E. C.....124 North St., Morenci  
 Rogers, John D.....146 Toledo St., Adrian  
 Sayre, Phillip P.....121 N. Main, Onsted  
 Spalding, I. L. (E).....Hudson  
 Stark, Emily S.....155 E. Maumee St., Adrian  
 Thompson, John R.....106 E. Chicago Blvd., Tecumseh  
 Tubbs, R. V.....Blissfield  
 VanDusen, Chad A.....R.F.D. No. 2, Blissfield  
 Whitehouse, Keith.....118 W. Main St., Morenci  
 Wynn, G. H.....147 E. Church St., Adrian

### Livingston County

Barton, Thomas A.....Howell  
 Clarke, Niles A.....624 Spencer, Brighton  
 Duffy, Ray M.....Pinckney  
 Fidler, Fred W.....Howell  
 Glenn, Bernard H.....Fowlerville  
 Hendren, J. J.....Fowlerville  
 Hill, Harold C.....Howell  
 Huntington, Harry G.....Howell  
 Laboe, Edward W.....State Sanatorium, Howell

Lieber, Robert W.....Howell  
 May, L. E. (M).....N.T.C. Dispensary, San Diego, California  
 McGregor, A. J.....Brighton  
 Meier, Walter E.....Howell  
 Nicholes, Mildred V.....Howell  
 Perry, Florence J. C.....17640 San Rosa, Rt. 3, Birmingham  
 Polack, R. T.....Howell  
 Sigler, Hollis L.....Howell  
 Walker, Enos G.....4485 Cordley Lake Road, Lakeland

### Luce County

Campbell, Earl H. (E).....Newberry  
 Gibson, Robert E.....Newberry  
 Perry, Henry E. (E).....Newberry

Purmort, William R., Jr.....Newberry  
 Swanson, George F.....VA Hospital, Beckley, West Virginia  
 Thompson, T. W.....State Hosp., Newberry

### Macomb County

Adler, Morton.....19188 Appoline Ave., Detroit  
 Allen, Leroy K.....18441 Utica Road, Roseville  
 Banting, O. Fenton.....Richmond  
 Barker, John G.....8050 Warren Blvd., Centerline  
 Bower, A. B.....Armada  
 Brady, Milo J.....21509 Eleven Mile Road, St. Clair Shores  
 Bryce, James W.....25020 Van Dyke, Centerline  
 Buckley, Daniel J.....160 S. Walnut, Mt. Clemens  
 Croman, Joseph M., Jr.....117 Cass Ave., Mt. Clemens  
 Curlett, James E. (L).....26765 Gratiot, Roseville  
 Dudzinski, Edmund J.....New Baltimore  
 Engels, John A.....Richmond  
 Goldman, B. J.....409 Monitor Leader Bldg., Mt. Clemens  
 Hartmann, W. B.....1416 S. Gatiot, Mt. Clemens  
 Heine, Austin W.....99 S. Gratiot, Mt. Clemens  
 Isbey, Edward K.....25020 Van Dyke, Centerline  
 Jewell, James H.....29 Lincoln, Mt. Clemens  
 Juliar, Joseph F.....302 Monitor Leader Bldg., Mt. Clemens  
 Kane, William J.....67 Cass Ave., Mt. Clemens  
 Lynch, Russell E.....25020 Van Dyke, Centerline  
 Maguire, A. J.....4875 Van Dyke Ave., Utica  
 Mattes, Max W.....610 Monitor Leader Bldg., Mt. Clemens  
 Miller, Sidney S.....22393 Gratiot, East Detroit  
 Moore, George F.....410 Monitor Leader Bldg., Mt. Clemens  
 Mulligan, Phillip T.....91 Cass St., Mt. Clemens  
 Parker, B. Morgan.....Utica

Reichman, Joseph J.....312 Monitor Leader Bldg., Mt. Clemens  
 Reitzel, Rufus H.....199 S. Gratiot, Mt. Clemens  
 Revere, J. O.....192 S. Gratiot, Mt. Clemens  
 Rivard, Charles L.....20825 Mack Ave., Grosse Pte. Woods  
 Rickman, L. D.....10 Howard St., Mt. Clemens  
 Roth, George E.....19136 Mendota Ave., Detroit  
 Rothman, Arthur M.....22552 Gratiot, East Detroit  
 Ruedisueli, Clarence A.....18215 Utica Road, Roseville  
 Salot, Russell F.....713 Monitor Leader Bldg., Mt. Clemens  
 Scher, Joseph N.....130 Cass Avenue, Mt. Clemens  
 Scher, Sydney.....610 Monitor Leader Bldg., Mt. Clemens  
 Siegfried, Edward G.....30781 Division St., New Haven  
 Singer, Nelson.....22422 Gratiot, East Detroit  
 Smith, Milton C.....50 S. Gratiot, Mt. Clemens  
 Stone, Elizabeth A.....Romeo  
 Stryker, Oscar D.....Macomb Co. Health Dept., Mt. Clemens  
 Sturm, Fred A.....29405 Jefferson, St. Clair Shores  
 Test, Frederick C. II.....91 Cass Ave., Mt. Clemens  
 Thompson, Alfred A.....126 Cass Ave., Mt. Clemens  
 Ullrich, Russell W.....91 Cass Ave., Mt. Clemens  
 Weiss, J. I.....2449 Ewald Circle, Detroit 6  
 Wellard, Henry C.....New Baltimore  
 Whitley, Alec.....31017 Jefferson, St. Clair Shores  
 Wiley, D. B.....45310 Van Dyke, Utica  
 Woods, H. B.....Box 97, Fraser  
 Wyte, William C.....170 Eastman, Mt. Clemens

## ROSTER

### Manistee County

Grant, Charles L. (R).....90 Maple St., Manistee  
Hansen, Earnest C.....78 Maple St., Manistee  
Konopa, John F.....57 Poplar St., Manistee  
Lalime, Ruth.....Bear Lake  
Lewis, Lee A. (E).....467 Second St., Manistee  
Miller, Ernest B.....425 River St., Manistee

Oakes, Ellery A.....401 River St., Manistee  
Ogilvie, Gordon D.....210 Savings Bank Bldg., Manistee  
Osborn, Samuel.....Manistee  
Ramsdell, Homer A.....398 River St., Manistee  
Rowe, Robert E.....326 18th St., Manistee  
Switzer, Lars W.....Savings Bank Bldg., Manistee

### Marquette-Alger Counties

Acocks, J. R.....Morgan Heights San., Marquette  
Amolsch, Arthur L.....St. Luke's Hospital, Marquette  
Baron, Benzoim C.....Munising  
Bennett, M. C.....Union National Bank Bldg., Marquette  
Berry, Robert F.....Bacon Building, Marquette  
Bertucci, Joseph P.....114 S. First St., Ishpeming  
Bolitho, T. B.....St. Luke's Hosp., Marquette  
Burke, R. A.....Twin City Hospital, Negaunee  
Casler, W. L.....131 E. Ridge, Marquette  
Cooperstock, M.....418 W. Magnetic, Marquette  
Corcoran, W. A.....Anderson Building, Ishpeming  
Drury, Charles P.....Marquette Health Office, Marquette  
Elzinga, Eugene R.....315 N. Front St., Marquette  
Erickson, Arvid W.....Ishpeming Hospital, Ishpeming  
Fennig, F. A.....315 N. Front St., Marquette  
Green, Southgate J.....Gwinn  
Harkin, J. C.....Marquette  
Hirwas, C. L.....Huetter Bldg., Marquette  
Hornbogen, D. P.....Savings Bank Bldg., Marquette  
Howe, Lloyd W.....Savings Bank Bldg., Marquette  
Jaedecke, R. G.....Ishpeming

Keskey, George I.....Rose Bldg., Suite 4-5, Marquette  
Knutson, George O.....Twin City Hospital, Negaunee  
Lambert, W. C.....Huetter Bldg., Marquette  
LeGolván, C.....West Washington St., Marquette  
Lyons, James W.....2007 Lincoln, Evanston, Illinois  
McCann, Neal J.....First National Bank Bldg., Marquette  
Mudge, William A.....314 Teal Lake Ave., Negaunee  
Narotzky, Archie S.....Odd Fellows Bldg., Ishpeming  
Nicholson, J. B.....Savings Bank Bldg., Marquette  
Paine, Raymond Lee.....415 E. Case St., Negaunee  
Paull, F. O.....Marquette  
Schweinsberg, Sara D.....Savings Bank Bldg., Marquette  
Serbst, Charles A.....Bacon Bldg., Marquette  
Sicotte, Isaiah (L).....Michigamme  
Swinton, A. L.....Savings Bank Bldg., Marquette  
Tearnan, Raymond A.....Munising  
Van Riper, Paul (L).....Champion  
Waldie, George M.....Ishpeming Hospital, Ishpeming  
Wickstrom, George B.....Madigan Bldg., Munising  
Williams, R. G.....Ishpeming

### Mason County

Bacon, Herbert G.....Scottville  
Baldyreff, Ephraim B.....Custer  
Boon, A. F.....Ludington  
Carney, John R.....202 N. Park, Ludington  
Carney, Ruth V. C.....202 N. Park, Ludington  
Goulet, Leo J.....222 S. James St., Ludington

Hoffman, Howard B.....121 Ludington Ave., Ludington  
Martin, William S.....107 West Ludington Ave., Ludington  
Ostrander, Robert A.....121 Ludington Ave., Ludington  
Paukstis, Charles A.....111 Court St., Ludington  
Slaybaugh, James C.....123 Ludington Ave., Ludington

### Mecosta-Osceola-Lake Counties

Bruggema, Jacob.....Evert  
Chess, Leo F.....Reed City  
Franklin, Benjamin L. (L).....Remus  
Ivkovich, Paul.....Reed City  
Kilmer, David.....Reed City  
Kilmer, Paul B.....Reed City  
Kowaleski, Edward.....Remus  
Merlo, Frank A.....206 S. Michigan Ave., Big Rapids

Miller, Charles S.....139 Sanborn Ave., Big Rapids  
Mitchell, H. C.....124 Mecosta Ave., Big Rapids  
Nelson, Lorenzo.....Baldwin  
Peck, Louis K. (E).....Barryton  
Trenor, Thomas P.....Fairman Bldg., Big Rapids  
Van Auken, Edward A.....Big Rapids  
White, John A.....121 S. Michigan Ave., Big Rapids  
Yeo, Gordon H.....126 Maple St., Big Rapids

### Menominee County

Brukardt, Herman R.....Electric Square Bldg., Menominee  
DeWane, Francis J.....117 Ogden Ave., Menominee  
DeWane, James N.....117 Ogden Ave., Menominee  
Flanagan, Clarence B.....522 Sheridan Road, Menominee  
Glickman, L. Grant.....958 1st St., Menominee  
Gonty, Arthur.....Menominee  
Heidenreich, John R.....Daggett  
Higley, R. A.....Electric Square Bldg., Menominee  
Jones, W. S., Jr.....Menominee

Jones, William S.....521 Sheridan Road, Menominee  
Kaye, John T.....703 Oregon Ave., Menominee  
Kerwell, Karm C.....Stephenson  
Peterson, Allen R.....Daggett  
Sawbridge, Edward (E).....Stephenson  
Sethney, Henry T.....Electric Square Bldg., Menominee  
Sweany, S. K.....Powers  
Towey, John W.....Powers

### Midland County

Ballmer, Robert S.....144 W. Main, Midland  
Bernier, J. A.....Sanford  
Blackhurst, R. T.....Midland  
Bowsher, Robert E.....2719 Ashman St., Midland  
Bulmer, Dan J.....402 E. Ellsworth, Midland  
Buskirk, Maurice D.....201 Reinhart Bldg., Midland  
Gay, Harold H.....Dow Chemical Co., Midland  
Gordon, Harold L.....Dow Chemical Co., Midland  
Grewe, Norman C.....347½ E. Main St., Midland  
Gronemeyer, William H.....127 MacDonald, Midland  
Hautau, Emily R.....Court House, Midland

High, C. U., Jr.....2100 Isabella Rd., Midland  
Ittner, Martin.....2912 Ashman St., Midland  
Kilian, D. J.....Midland  
Linsenman, Karl W.....312 E. Main St., Midland  
MacCallum, Charles.....221 Reinhart Bldg., Midland  
Maynard, W. A.....Coleman  
Meisel, Edward H.....413 Lingle Lane, Midland  
Pike, Melvin H.....209 Reinhart Bldg., Midland  
Poznak, Leonard A.....220 W. Collins Ave., Midland  
Sherk, Joseph H.....Masonic Bldg., Midland  
Towsley, W. D.....Midland

### Monroe County

Acker, William F.....106 E. Front St., Monroe  
Ames, Florence.....2 W. Noble Ave., Monroe  
Barker, Vincent L.....127 E. Front St., Monroe  
Blakey, L. C.....222 N. Monroe St., Monroe  
Bond, W. W.....4 East Front St., Monroe  
Brancheau, Linus T.....Petersburgh  
Cigany, Zoltan B.....1402 Monroe, Carleton  
Dusseau, S. V. (E).....Erie  
Ewing, R. T.....130 Maple Blvd., Monroe  
Flanders, J. P.....31 Washington, Monroe  
Frery, R. A.....423 E. Elm Ave., Monroe  
Freud, John W.....222 N. Monroe, Monroe  
Gelhaus, Wm. J.....4 East Front St., Monroe  
Golinvaux, C. J.....118 East First, Monroe  
Heffernan, John F.....Carleton  
Hensel, Hilda.....12 E. Fourth, Monroe  
Hunter, M. A.....35 East Front St., Monroe  
Johnson, A. Esther.....31 Washington Ave., Monroe  
Kelso, S. Newton, Jr.....9 South Monroe St., Monroe

Kilduff, W. A.....Dundee  
Lammers, Gerald P.....Ida  
Landon, Herbert W. (E).....106 E. Front St., Monroe  
Long, Edgar C.....127 E. Front St., Monroe  
Long, Sara.....130 Maple Blvd., Monroe  
Mahoney, Thomas W.....218 E. First St., Monroe  
McDonald, T. A.....7 East Front St., Monroe  
McGeoch, R. W.....633 N. Macomb, Monroe  
McMillin, J. H.....423 E. Elm St., Monroe  
Newcomer, Sheldon R.....31 Washington, Monroe  
Parmelee, O. E.....Lambertville  
Pinkus, Hermann.....12 E. Fourth St., Monroe  
Reisig, Albert H.....5 East Front St., Monroe  
Sanger, Emerson J.....3 East Front St., Monroe  
Tomlinson, Ledyard H.....Newport  
Van Dyke, A. E.....31 Washington, Monroe  
Wagar, Spencer H.....31 Washington St., Monroe  
Williams, Robert J.....31 Washington St., Monroe  
Williamson, George W.....Dundee

# ROSTER

## Muskegon County

Anderson, A. J.	1371 Peck Street, Muskegon	Kay, Cecelia S.	405 Muskegon Bldg., Muskegon
Anderson, Axel W.	Lakewood Club, Twin Lake	Keilin, Marie.	403 Michigan Theatre Bldg., Muskegon
Atkinson, A. L.	Anderson Bldg., Muskegon Heights	Kerr, Howard J.	1441 Lakeshore Drive, Muskegon
August, R. V.	72 E. Broadway, Muskegon Heights	LaFollette, P. S.	1075 Jefferson St., Muskegon
Barnard, Helen S.	Nedau Bldg., Muskegon	Lange, Eugene W.	Hackley Hospital, Muskegon
Beers, C. W.	68 E. Broadway, Muskegon Heights	Lapham, Landon M.	Whitehall
Benedict, Arthur L.	22 W. Southern Ave., Muskegon	Lauretti, Emil J.	815 Hackley Bank Bldg., Muskegon
Bloom, C. J.	59 E. Larch St., Muskegon	Laurin, Vilda S.	804 Hackley Bank Bldg., Muskegon
Bolthouse, Robert E.	1214 Peck St., Muskegon Heights	LeFevre, Louis.	450 W. Western Ave., Muskegon
Boyd, D. R.	1735 Peck St., Muskegon Heights	LeFevre, William M.	289 W. Western, Muskegon
Bradshaw, Park S.	1014 Jefferson, Muskegon	Loder, Leonel L.	Hackley Union Bldg., Muskegon
Busard, J. Max	450 W. Western Ave., Muskegon	Mandeville, C. B.	515 Hackley Union Bank Bldg., Muskegon
Chapin, William S. (A.)	638 Sanford St., Muskegon Heights	McNair, John N.	967 Second St., Muskegon
Christophersen, James W.	Hackley Bank Bldg., Muskegon	Medema, Paul E.	1017 Sanford, Muskegon
Clapp, Henry W.	88 Strong Ave., Muskegon	Meengs, Marvin B.	1725 Peck St., Muskegon
Clark, Harry L.	Hackley Hospital Lab., Muskegon	Miller, Philip L.	1755 Peck St., Muskegon
Closz, Harold F.	809 Hackley Union Bank Bldg., Muskegon	Mulligan, A. W.	304 Muskegon Bldg., Muskegon
Cohan, Sol G.	1114 Second St., Muskegon	Oden, Constantine L. A.	804 Hackley Bank Bldg., Muskegon
Dasler, A. F. (M.)	Naval Training Center, Great Lakes, Ill.	Powers, Lunette (E.)	337 Morris Ave., Muskegon
Diskin, Frank L.	410 Jackson Ave., Muskegon	Prentice, Edwin W.	1017 Sanford St., Muskegon
Durham, Clarence J. (L.)	868 N. Second, Muskegon	Price, Leonard.	1282 Arthur St., Muskegon
Dykhuizen, Harld D.	608 Hackley Union Bank Bldg., Muskegon	Pyle, Henry J.	506 Muskegon Bldg., Muskegon
Ellis, Nicholas J.	1883 Lake Shore Drive, Muskegon	Risk, Robert D.	1160 Ransom St., Muskegon
Emerick, Robert W.	878 N. Second St., Muskegon	Scholle, Norbert W.	Anderson Bldg., Muskegon Heights
Fillingham, Enid.	870 N. Second St., Muskegon	Sears, Richard.	Court House, Muskegon
Fleischmann, C. B.	250 W. Webster, Muskegon	Shebasta, Emil M.	1075 Jefferson, Muskegon
Fleishman, Norman A.	1094 Jefferson, Muskegon	Smith, M. Luther.	840 Pine St., Muskegon
Gaikema, Everett W.	Muskegon Co. Sanitorium, Muskegon	Swartout, W. C. (L.)	514 Hackley Union Bank Bldg., Muskegon
Garber, Frank W., Jr.	1178 Third St., Muskegon	Swenson, Leland L.	1724 Peck St., Muskegon
Gillard, James L.	Michigan Theatre Bldg., Muskegon	Teifer, Charles A.	407 Muskegon Bldg., Muskegon
Goltz, Martha H.	Montague	Tellman, H. Clay.	Hackley Bank Bldg., Muskegon
Greene, Henry P.	764 Pine St., Muskegon	Thime, S. W. (L.)	Ravenna
Griffith, Robert M.	1217 Fifth St., Muskegon	Thornton, Eugene S.	802 Hackley Union Bank Bldg., Muskegon
Hagen, William A.	1255 Palmer Blvd., Muskegon	Toy, Charles M.	1067 Pine St., Muskegon
Hanley, W. J. (A.)	1628 W. Wisconsin Ave., Milwaukee, Wisconsin	Tyler, William H.	Muskegon Bldg., Muskegon
Harryman, James E.	209 Lyman Bldg., Muskegon	Vanderlaan, John E.	1624 Peck St., Muskegon
Hartwell, Shattuck W.	452 W. Western Ave., Muskegon	Van Gelder, W. E.	Hackley Union Bank Bldg., Muskegon
Heneveld, Edward H.	1603 Peck St., Muskegon	Wagenaar, Edward H.	Muskegon, Bldg., Muskegon
Heneveld, John.	1603 Peck St., Muskegon	Walker, George.	Hackley Union Bank Bldg., Muskegon
Heneveld, Robert G.	1129 Peck St., Muskegon	White, W. G.	1735 Peck St., Muskegon
Hennessy, M. E.	1624 Peck St., Muskegon	Wiersma, Silas C.	Hackley Union Bldg., Muskegon
Holly, Leland E.	876 Second St., Muskegon	Wildgen, Bernard C.	416 Hackley Bank Bldg., Muskegon
Holmes, Roy H.	316 Hackley Union Bldg., Muskegon	Wilke, Carl A.	Montague
Jiroch, J. T. (A.)	3926 Canton, Detroit	Wilson, Pitt S. (L.)	1377 Peck St., Muskegon
Joistad, Arthur H.	878 Second St., Muskegon	Williams, Edward V.	905 Jarman St., Muskegon Heights
Kane, Thomas J.	179 Strong Ave., Muskegon		

## Newaygo County

Cook, J. M.	Newaygo	Klein, J. Paul.	16 W. Sheridan, Fremont
Deur, Theodore R.	Grant	Masters, Brooker L.	43 W. Main St., Fremont
Geerlings, Lambert J.	20 N. Division St., Fremont	Moore, Hugh R.	38 State St., Newaygo
Geerlings, Ralph W.	20 N. Division St., Fremont	O'Neill, John W.	Court House, White Cloud
Harris, Dean W.	43 E. Main St., Fremont	Tompsett, Arthur C.	18 N. Division St., Hesperia

## North Central Counties

Backe, John C.	Box 434, Gaylord	Hoenig, Andrew L.	76 State St., Mance Lona
Boehm, John D. (R.)	West Branch	Jardine, Hugh M.	109 S. Third St., West Branch
Clippert, Clarence G.	308 Michigan Ave., Grayling	Keyport, Claude R.	308 Michigan Ave., Grayling
Coulter, Keith D.	Gladwin	Kirker, F. O.	Prudenville
Egle, Joseph L.	Northern Michigan TB San., Gaylord	Libke, Robert.	Gaylord
Forney, F. A.	Northern Michigan TB San., Gaylord	Martozowka, M. A.	Roscommon
Gehman, J. R.	Box 34, Fairview	McKillop, G. L.	Gaylord
Hasty, Earl.	115 Burgess, West Branch	Schaiberger, George L.	707 W. Hought St., West Branch
Hayes, Louis F.	Grayling	Stealy, Stanley A.	Box 485, Grayling
Henig, B. Elmore.	308 Michigan Ave., Grayling	Timreck, Harold A.	Gladwin

## Northern Michigan

Albi, Robert J.	Boyne City	Litzenburger, Albert F.	Boyne City
Alm, Bernhard T.	309½ E. Mitchell, Petoskey	Mateskon, V. S.	Petoskey
Barrett, J. L.	Petoskey	Mayne, Frederick C.	Cheboygan
Blum, Benjamin B.	Petoskey	McClintock, Robert S.	704 E. Lake, Petoskey
Burns, Dean C.	314½ Howard St., Petoskey	McEvoy, Francis J.	245 E. Main St., Harbor Springs
Conkle, Guy C.	Boyne City	Palmer, Russell E.	St. James
Conti, Joseph B.	Petoskey	Parks, William H.	Petoskey
Conway, William S.	Burns Clinic, Petoskey	Rodger, John R.	Bellaire
Drake, G.	Petoskey	Saltonstall, Gilbert B.	112 Clinton St., Charlevoix
Duffie, Don H.	Central Lake	Savory, John.	East Jordan
Grate, Lawrence E.	304 Mason St., Charlevoix	Stringham, James R.	225 Backus St., Cheboygan
Hegener, A. J.	Petoskey	Van Dellen, Jerrian.	East Jordan
Kirk, T. R.	Petoskey	Weburg, Kathryn O.	Petoskey
Lentini, Nicholas.	Cheboygan	Wood, George H.	Onaway
Lilga, Harris U.	113 Howard St., Petoskey		

## Oakland County

Abbot, James A.	Pontiac State Hospital, Pontiac	Barefield, Alwin S.	20879 Bethlawn, Ferndale
Abbott, Vernon C.	1405 Pontiac State Bldg., Pontiac	Barker, Howard B.	1006 Riker Bldg., Pontiac
Adair, Robin.	1016 N. Hunter Blvd., Birmingham	Bauer, Edward G.	101½ N. Saginaw, Pontiac
Adams, Frederick M.	322 Wabeek Bldg., Birmingham	Bauer, Ernest W.	23005 John R St., Hazel Park
Arnkoff, Harry.	305 First National Bank Bldg, Pontiac	Beck, Otto O.	308 Wabeek Bldg., Birmingham
Aulie, H. G.	307 W. Sixth, Royal Oak	Beattie, W. G.	Professional Bldg., Ferndale
Baker, Frederick A.	4575 Motorway Drive, Pontiac	Beebe, Willard E.	1411 Pontiac State Bank Bldg., Pontiac
Baker, Robert H.	1110 Pontiac State Bank Bldg., Pontiac	Belknap, Warren F.	1809 S. Main St., Royal Oak
Bannow, Robert J.	704 Pontiac State Bank Bldg., Pontiac	Berg, Richard H.	2 S. Washington, Oxford

# ROSTER

Blue, Jane.....218 Riker Bldg., Pontiac  
Boucher, R. E.....517 Washington Square Bldg., Royal Oak  
Brooks, A. L.....G.M.C., Pontiac  
Bujar, Ellen S.....State Hosp., Pontiac  
Bullard, R. W.....Clarkston, Rt. 5, Pontiac  
Burgess, Charles M.....23235 Woodward Ave., Ferndale  
Burke, Chauncey G.....1022 Riker Bldg., Pontiac  
Butler, Samuel.....State Hospital, Pontiac  
Calhoun, Ethel T.....707 Lakeview, Birmingham  
Cefai, A. F.....412 People State Bldg., Pontiac  
Cobb, Leon F.....83½ N. Saginaw, Pontiac  
Cobb, Thomas H.....804 Riker Bldg., Pontiac  
Collins, Edward F.....26½ Huron West, Pontiac  
Conrad, C. D.....3027 Woodward, Royal Oak  
Cooley, Roy V., Jr.....159 Wesson St., Pontiac  
Cooper, Robert J.....Riker Bldg., Pontiac  
Couche, Henry O.....12475 San Jose Blvd, Birmingham  
Crissman, H. C.....22748 Woodward Ave., Ferndale  
Cudney, Ethan B.....Pontiac Motor Division, Pontiac  
Dahlgren, Carl W.....301½ Orchard Lake Road, Krego Harbor  
Darling, C. G., Jr.....1025 Riker Bldg., Pontiac  
DeLawter, Hilbert.....Rochester  
Deutsch, William L.....600 W. First, Huntington Woods  
Dobski, Edwin J.....236 Riker Bldg., Pontiac  
Dunlap, Gregg L.....2925 Orchard Lake Ave., Keego Harbor  
Dunn, Lewis E.....5876 Thomas, Berkley  
Durocher, Normand E.....605 Pontiac State Bank Bldg., Pontiac  
Ekelund, Clifford T.....906 Riker Bldg., Pontiac  
Endress, Zac.....206 Oneida Drive, Pontiac  
Farnham, Lucius A. (L).....538 Riker Bldg., Pontiac  
Ferris, Ralph G.....205 Hanna Bldg., Birmingham  
Fink, L. Jerome.....1411 Pontiac State Bank Bldg., Pontiac  
Flick, Earl J.....120 W. Second St., Royal Oak  
Flick, John R.....120 West Second, Royal Oak  
Foust, Earl W.....1625 E. Fourth, Royal Oak  
Furlong, Harold A.....932 Riker Bldg., Pontiac  
Gaba, H. B.....Hazel Park  
Gadbaw, Joseph J.....23603 Farmington Road, Farmington  
Gaensbauer, Ferdinand.....932 Riker Bldg., Pontiac  
Garipey, Bernard F.....Oakland Center Hospital, 120 W. First St., Royal Oak  
Gates, E. M.....206-10 Riker Bldg., Pontiac  
Gatley, C. R.....97 N. Perry St., Pontiac  
Gatley, L. Warren.....97 N. Perry St., Pontiac  
Gehringer, Norman F.....336 Riker Bldg., Pontiac  
Geib, Ormond D.....Avon Bldg., Rochester  
Gerls, Frank B.....602 Peoples State Bank Bldg., Pontiac  
Gibson, James C. (E).....206 E. Commerce, Milford  
Gibson, Wellington C.....216 Commerce St., Milford  
Gill, Matthew J.....Riker Bldg., Pontiac  
Goode, Norman J.....109 E. Nine Mile, Ferndale  
Gradolph, P. L.....23338 Woodward, Ferndale  
Grant, William A. (L).....Milford  
Green, James D.....311 Wabeek Bldg., Birmingham  
Green, William M.....1402 Pontiac State Bldg., Pontiac  
Hackett, Daniel J.....1205 Peoples State Bldg., Pontiac  
Haddock, D. A.....5780 Lakeview, Rt. 5, Pontiac  
Hagman, George.....Cranbrook School, Bloomfield Hills  
Halsted, Lee H.....33311 Grand River, Farmington  
Hammonds, E. E.....209 Wabeek Bldg., Birmingham  
Han, Maolin.....Auburn Heights  
Hardy, George C.....240 Oak Drive, Box 135-G, Rt. 2, Rochester  
Harsh, Robert C.....51 Niagara, Pontiac  
Harvey, Campbell.....832 Riker Bldg., Pontiac  
Hasner, Robert B.....617 Washington Square Bldg., Royal Oak  
Hassberger, J. B.....316 Wabeek Bldg., Birmingham  
Hathaway, Clarence L.....33 S. Broadway, Lake Orion  
Hathaway, William S.....433½ Main St., Rochester  
Hendren, Owen S.....1408 Pontiac State Bank Bldg., Pontiac  
Henry, R., Colonel.....Professional Bldg., Ferndale  
Hensley, C. B.....46 W. Flint St., Lake Orion  
Hershey, Lynn N.....Rt. 1, 31275 Franklin Blvd., Birmingham  
Howlett, E. V. (L).....538 Riker Bldg., Pontiac  
Hoyt, Donald F.....1203 Pontiac State Bank Bldg., Pontiac  
Hubert, John R.....738 Riker Bldg., Pontiac  
Hutchinson, W. G. (L).....Riker Bldg., Pontiac  
Kemp, Felix J.....1115 Peoples State Bank Bldg., Pontiac  
Kemp, W. Lloyd.....450 Maple Road, Birmingham  
Kendrick, H. F.....Pontiac  
Klewicki, H. A.....125 W. Nine Mile, Pontiac  
Koehler, William H.....629 Washington Square Bldg., Royal Oak  
Kuhn, Henry.....817 E. Eight Mile Road, Hazel Park  
Kuhn, R. E.....1706 West Blvd., Berkley  
Lahti, P. T.....2412 Benjamin, Royal Oak  
LaMarche, Norman O.....2827 Woodward, Berkley  
Lambert, A. G.....3021 Woodward, Royal Oak  
Lambie, John S.....280 Aspen Road, Birmingham

Laux, Philip J., Jr.....3027 N. Woodward, Royal Oak  
Lewis, S. M.....400 W. Nine Mile, Ferndale  
Ling, Theodore W.....Farmington  
Lockwood, C. E.....107 Martha St., Holly  
Lowery, A. J.....Rt. 5, Pontiac  
MacKenzie, O. R.....128 Common St., Walled Lake  
Markle, John G.....617 Washington Square Bldg., Royal Oak  
Markley, John M.....849 W. Huron St., Pontiac  
Mason, Robert J.....308 N. Woodward Ave., Birmingham  
McConkie, J. P.....311-2 Wabeek Bldg., Birmingham  
McNeill, H. H.....83½ S. Saginaw, Pontiac  
Meahas, C. P.....Oakland Co. Sanitarium, Pontiac  
Meinke, Herman A.....817 E. 8 Mile Road, Hazel Park  
Meng, Ralph H.....6315 Livernois, Rochester  
Mercer, Frank A.....1401 Pontiac State Bank Bldg., Pontiac  
Merrill, Lionel N.....330 Washington Square Bldg., Royal Oak  
Miller, Hazen L.....617 Washington Square Bldg., Royal Oak  
Miller, Sidney.....391 Hamilton Ave., Birmingham  
Moloney, J. Clark.....240 Daines, Birmingham  
Monroe, John D.....Oakland County Health Dept., Pontiac  
Morton, James A.....St. Joseph Mercy Hospital, Pontiac  
Mumby, Clinton J.....Pontiac State Bank Bldg., Pontiac  
Neafie, Charles A.....Pontiac City Health Dept., Pontiac  
Norup, John.....2818 Collidge Hwy., Berkley  
Nosanchuk, Joseph.....1215 Pontiac State Bank Bldg., Pontiac  
Olsen, Richard E.....St. Joseph Mercy Hospital, Pontiac  
Palmer, Hayden.....506 Riker Bldg., Pontiac  
Pauli, Theodore H.....206 Riker Bldg., Pontiac  
Payton, Charles F.....611½ S. Washington, Royal Oak  
Pearce, James F.....114 S. Washington, Royal Oak  
Pelletier, Charles J.....817 E. Eight Mile Road, Hazel Park  
Petroff, George N.....549½ N. Perry St., Pontiac  
Porritt, Ross J.....304 Riker Bldg., Pontiac  
Prather, Frank.....Milford  
Prevette, Isaac C.....215 First National Bank Bldg., Pontiac  
Quarton, Albert E.....3027 N. Woodward, Royal Oak  
Raynale, George P.....302 Wabeek Bldg., Birmingham  
Reid, Fred T.....Clawson State Bank Bldg., Clawson  
Riggs, Harry L.....42½ S. Saginaw, Pontiac  
Riker, Aaron D.....1012 Riker Bldg., Pontiac  
Roehm, Harold R.....Wabeek Bldg., Birmingham  
Rowley, Laurie G.....440 Dixie Highway, Drayton Plains  
Rupp, Edson C.....202 Crane Ave., Royal Oak  
Russell, Vincent P.....624 Washington Square Bldg., Royal Oak  
Ruva, Joseph.....97 S. Edith St., Pontiac  
St. John, Harold A.....718 Riker Bldg., Pontiac  
Schlecte, Carl.....Rochester  
Schuneman, Howard.....22765 Woodward, Ferndale  
Schwarz, M. L.....Walled Lake  
Seaborn, A. J.....1412 S. Washington St., Royal Oak  
Shadley, Maxwell L.....419 W. Iroquois Road, Pontiac  
Sibley, H. A.....15 Mathews, Pontiac  
Simpson, E. K.....804 Pontiac State Bank, Pontiac  
Smith, Carleton A.....822 Riker Bldg., Pontiac  
Smith, Donald S.....824 Riker Bldg., Pontiac  
Smith, George E.....629 Washington Square Bldg., Royal Oak  
Spencer, Lloyd H.....1302 S. Washington, Royal Oak  
Spoehr, Eugene L.....22832 Woodward, Ferndale  
Spohn, Earl W.....201 S. Center St., Royal Oak  
Stageman, John C.....1116 Pontiac State Bank Bldg., Pontiac  
Stahl, Harold F.....Oxford  
Stanley, William F.....1148 S. Woodward, Royal Oak  
Starker, C. T.....716 Community Bank Bldg., Pontiac  
Steffes, Everett M.....3345 Coolidge Highway, Berkley  
Steinberg, Norman N.....211 Washington Square Bldg., Royal Oak  
Stolpman, A. K.....306 Wabeek Bldg., Birmingham  
Sullenberger, N. H.....1301 Pontiac State Bank Bldg., Pontiac  
Sutton, Palmer E.....629 Washington Square Bldg., Royal Oak  
Swickle, Edward F.....17 S. Main, Clawson  
Tauber, Abraham.....1108 People State Bank Bldg., Pontiac  
Tolle, Charles B.....Riker Bldg., Pontiac  
Tuck, Raymond G.....17 Delaware Drive, Pontiac  
Uloth, Milton J.....Ortonville  
Van Haltern, H. L.....Riker Bldg., Pontiac  
Virga, George M.....12744 LaSalle, Huntington Woods  
Wagley, P. V.....Pontiac State Hospital, Pontiac  
Wagner, Ruth E.....201 First, Royal Oak  
Wake, Douglas L.....1307 S. Washington, Royal Oak  
Watson, Arthur M.....Lake Orion  
Weisberg, William E.....802 S. Washington, Royal Oak  
Wessels, Robert R.....302 Wabeek Bldg., Birmingham  
Whitehouse, John D.....State Hospital, Pontiac  
Wigent, Ralph D.....171 Crestwood, Pontiac  
Williams, John P.....1102 Peoples State Bldg., Pontiac  
Willis, Maurice.....1107 Pontiac State Bank Bldg., Pontiac  
Young, Arthur R.....906 Riker Bldg., Pontiac

## Oceana County

Flint, Charles H.....315 State St., Hart  
Hasty, Willis A.....405 State St., Shelby  
Hayton, A. R.....327 Michigan Ave., Shelby  
Heard, William H.....Pentwater  
Munger, L. P. (E).....Hart

Nicholson, John H. (E).....Hart  
Reetz, Fred A. (A).....Shelby  
Robinson, Wm. G.....35 State St., Hart  
Wood, Merle G.....19 Courtland St., Hart

## Ontonagon County

Bender, Jesse L.....Mass  
Hogue, H. B.....Ewen

Lahti, Carl R.....700 River St., Ontonagon  
Strong, W. F.....Ontonagon

# ROSTER

## Ottawa County

Beernink, E. H. .... Grand Haven  
Bloemendaal, D. C. .... 351 W. Michigan, Zeeland  
Bloemendal, W. B. .... Grand Haven  
Boersma, V. L. (M) .... Holland  
Boone, Cornelius E. .... Zeeland  
Bulthuis, Jerry E. .... Jamestown  
Clark, N. H. .... R.R. No. 4, Holland  
Cook, Carl S. .... Holland  
DeVries, H. G. .... 36 E. Eighth St., Holland  
DeYoung, Fred W. .... Spring Lake  
Groat, Frank L. .... 414 Franklin St., Grand Haven  
Hager, Ralph. .... Hudsonville  
Hamelink, M. H. .... Holland  
Harms, H. P. .... Holland  
Kearney, J. B. .... Holland  
Kempe, Gerrit. .... Zeeland  
Kitchel, John H. .... Grand Haven  
Kitchel, Mary. .... Grand Haven  
Kools, William C. .... 194 W. 11th St., Holland  
Leenhouts, Abraham (E) .... Holland  
Long, C. E. (L) .... Grand Haven

Michmerhuizen, R. E. .... 408 Fulton, Grand Haven  
Moerdyk, William G. .... 120 W. 14th St., Holland  
Nichols, Rudolph H. .... Holland  
Nykamp, Russell. .... Zeeland  
Rypkema, Willard M. .... Grand Haven  
Schaftenaar, R. H. .... Holland  
Stobbelaar, Robert. .... Grand Haven  
Ten Have, Ralph. .... 1016 Sheldon, Grand Haven  
Ten Pas, Henry W. .... Box 47, Hamilton  
Timmerman, E. C. .... Coopersville  
Van Appledorn, C. J. .... Grand Haven  
Van Der Berg, E. .... Holland  
Van der Velde, O. .... 35 W. 8th St., Holland  
Van Kolken, P. J. .... Grand Haven  
VerDuin, J. W. .... Grand Haven  
Wells, Kenneth N. .... Spring Lake  
Westrate, William. .... Holland  
Winter, John K. .... Holland  
Winter, William G. .... Holland  
Yonkman, F. F. .... 58 Pomeroy Road, Madison, N. J.

## Saginaw County

Ackerman, G. L. .... 124 S. Jefferson Ave., Saginaw  
Albers, M. J. .... 715 Court St., Saginaw  
Anderson, William K. .... 404 S. Warren Ave., Saginaw  
Bagley, Ulysses S. .... 1401½ N. Sixth St., Saginaw  
Beckett, M. B. .... 1500 Weiss St., Saginaw  
Berberovich, Thomas F. .... 2005½ N. Michigan Ave., Saginaw  
Bishop, H. Mortimer. .... 515 S. Jefferson, Saginaw  
Brender, Fred P. .... Frankenmuth  
Brock, W. H. (L) .... 9 Merrill Bldg., Saginaw  
Bruggers, Laurence. .... 418 W. Genesee Ave., Saginaw  
Bruton, Martin F. .... 315 S. Jefferson Ave., Saginaw  
Bucklin, Robert. .... 1447 N. Harrison, Saginaw  
Bullington, Bert M. .... Room 213, Bearinger Bldg., Saginaw  
Busch, Frank J. .... 1731 N. Michigan, Saginaw  
Butler, Milton G. .... 502 S. Jefferson, Saginaw  
Cady, Frederick J. .... 402 S. Jefferson Ave., Saginaw  
Cambridge, V. W. .... 400½ Potter St., Saginaw  
Cameron, Allen K. .... 409 Peoples Bldg. & Loan Bldg., Saginaw  
Campbell, Lloyd A. .... 405 Peoples Bldg. & Loan Bldg., Saginaw  
Catizone, Roy J. .... Merrill  
Chisena, Peter R. .... 6227 Dixie Highway, Bridgeport  
Clark, Wilbert B. (L) .... 54 Grosvenor Rd., Kenmore, N. Y.  
Claytor, Archer A. .... 1000½ N. Third Ave., Saginaw  
Cortopassi, Andre J. .... 324 S. Washington, Saginaw  
Cortopassi, Vital E. .... 324 S. Washington Ave., Saginaw  
Cory, Charles W. .... 611 Bldg. & Loan Bldg., Saginaw  
Curts, James H. .... 127 S. Washington, Saginaw  
Durman, Donald C. .... 408 S. Jefferson Ave., Saginaw  
Ely, Cecil W. .... 1820 Jones St., Saginaw  
Ernst, Arthur R. (R) .... 505 Peoples Bldg. & Loan, Saginaw  
Fleschner, Thomas E. .... Birch Run  
Friedrick, David F. .... Frankenmuth  
Gage, David P. .... 514 First Savings & Loan, Saginaw  
Galsterer, Edwin C. .... 507-9 Bldg. & Loan Bldg., Saginaw  
Gamon, A. E. .... 514 First Savings & Loan, Saginaw  
Gardner, Joe H. .... 112 N. Michigan Ave., Saginaw  
Gerber, H. V. .... 207 Wiechmann Bldg., Saginaw  
Gomon, Louis D. .... 308 Eddy Bldg., Saginaw  
Grigg, Arthur (E) .... 320 N. Michigan Ave., Saginaw  
Grigg, Arthur P. .... 320 N. Michigan, Saginaw  
Hand, Eugene A. .... 211 Bearinger Bldg., Saginaw  
Harvie, L. C. .... 405 Wiechmann Bldg., Saginaw  
Havenrich, Robert M. .... 529 W. Genesee, Saginaw  
Helmkamp, Herbert O. .... 307 Second Nat. Bank Bldg., Saginaw  
Hester, Eustace G. .... 2031 N. Michigan Ave., Saginaw  
Hill, Victor L. .... 518 Jones Street, Saginaw  
Hohn, Fred, Jr. .... 407 Wiechmann Bldg., Saginaw  
Howell, Don M. .... 506 Wiechmann Bldg., Saginaw  
Jaenichen, Robert. .... 530 Hayden, Saginaw  
James, J. W. .... 418 W. Genesee, Saginaw  
Jiroch, Ralph S. .... 202 Wiechmann Bldg., Saginaw  
Johnstone, K. J. .... Sag. Mall. Iron Central Fdry., 63 Florence Ave., Saginaw  
Jordan, Leo A. .... 1524 E. Genesee, Saginaw  
Kemp, J. N. (L) .... 1320 S. Michigan Ave., Saginaw  
Kempton, Rockwell M. .... 333 S. Jefferson St., Saginaw  
Kerr, William B. .... 300 S. Michigan, Saginaw  
Keyes, James T. .... Birch Run  
Kickham, Edward F. .... 309 S. Jefferson Ave., Saginaw  
Kleekamp, Herbert G. .... 1005 Gratiot Ave., Saginaw  
Kolesar, R. C. .... 2702 S. Washington, Saginaw  
Kowals, Francis V. .... Chevrolet Serv. Mfg., 429 S. Park St., Saginaw  
LaPorte, Lawrence A. .... 1121 N. Michigan, Saginaw  
Ling, Ernest M. (R) .... Spring Lake  
Ling, Kenneth C. .... Box 135, Hemlock  
Lohr, Oliver W. .... 537 Millard St., Saginaw  
Longstreet, Martha L. (L) .... 520 Hayden St., Saginaw

Love, James M. .... Burns Clinic, Petoskey  
Luger, Frederick E. .... 303 N. Jefferson, Saginaw  
Lurie, Robert. .... 2525 S. Washington, Saginaw  
Lyle, Richard C. .... Bridgeport  
Mac Kinnon, E. D. .... 1616 Court St., Saginaw  
MacMeekin, James W. .... 1213 N. Michigan, Saginaw  
Manning, John E. .... 112 N. Michigan Ave., Saginaw  
Manning, J. W. .... 515 N. Jefferson, Saginaw  
Markey, Francis L. .... 628 Gratiot Ave., Saginaw  
Markey, Joseph P. .... 628 Gratiot Ave., Saginaw  
Martozka, William P. .... 415½ W. Genesee, Saginaw  
Matthews, Harry C. .... 507 Bldg. & Loan Bldg., Saginaw  
Maurer, John A. .... 520 W. Genesee Ave., Saginaw  
Mayne, Harold E. .... 305 Graebner Bldg., Saginaw  
McKinney, Alexander R. .... 330 S. Washington, Saginaw  
Meyer, Henry J. (E) .... 301 S. Jefferson, Saginaw  
Mikan, V. Robert. .... 420 N. Michigan Ave., Saginaw  
Miller, G. F. .... 1447 N. Harrison, Saginaw  
Moon, A. R. .... 305 Second National Bldg., Saginaw  
Morrette, Leonard J. .... 603 S. Jefferson, Saginaw  
Mudd, Richard D. (M) .... Surgeon 10 AF, Selfridge Field  
Murphy, Albert P. .... 303 N. Michigan Ave., Saginaw  
Murray, Charles R. .... 1827 N. Michigan Ave., Saginaw  
Murray, Morris J. .... 603 S. Jefferson, Saginaw  
Nelson, Oscar A. .... 120 N. Michigan, Saginaw  
Northway, R. O. .... 505 Bldg. & Loan Bldg., Saginaw  
Novy, Frank O. .... 420 S. Jefferson, Saginaw  
Olson, Carl Porter. .... 1447 N. Harrison, Saginaw  
Ostrander, Frank W. .... Freeland  
Phillips, H. A. .... 419 First Savings & Loan Bldg., Saginaw  
Pietz, Frederick. .... 221 N. Michigan Ave., Saginaw  
Pillsbury, Edward A. .... Frankenmuth  
Poole, Frank A. (L) .... 505 Millard St., Apt. 409, Saginaw  
Potvin, Clifford D. .... 2031 N. Michigan Ave., Saginaw  
Powers, R. F. .... 529 W. Genesee Ave., Saginaw  
Richards, Ned W. .... 111 N. Oakley, Saginaw  
Richter, Harry J. .... 604 Second Nat. Bank Bldg., Saginaw  
Roggen, Ivan J. .... 611 First Savings & Loan, Saginaw  
Ruskin, D. B. .... 301 Second Nat. Bank Bldg., Saginaw  
Ryan, M. D. (E) .... 635 S. Washington Ave., Saginaw  
Ryan, Richard S. (M) .... Naval Med. School, Bethesda, Md.  
Sample, John T. .... 708 Second National Bank Bldg., Saginaw  
Sargent, Donald V. .... 418 W. Genesee, Saginaw  
Schaiberger, Elmer G. .... 1520 N. Michigan Ave., Saginaw  
Schneider, A. N. .... 509 S. Jefferson Ave., Saginaw  
Schultz, F. R. .... Chesaning  
Sharp, Martin C. .... 1811 N. Michigan, Saginaw  
Sheldon, Suel A. .... 515 Peoples Bldg. & Loan Bldg., Saginaw  
Shoemaker, J. C. .... Vet. Hospital, Saginaw  
Siler, Delbert E. .... 1811 Michigan Ave., Saginaw  
Skowronski, Casimer A. .... 1401 E. Genesee, Saginaw  
Slack, Walter K. .... 308 Eddy Bldg., Saginaw  
Stahly, Edward H. .... Saginaw Co. Hosp., Town Line Rd., Saginaw  
Stander, A. C. .... 1411 Court St., Saginaw  
Stewart, George W. .... 1902 Jones, Saginaw  
Sulfridge, Hugh L. .... 305 Graebner Bldg., Saginaw  
Thompson, Arthur B. .... 2328 E. Genesee Ave., Saginaw  
Tiedke, G. E. .... 120 N. Michigan Ave., Saginaw  
Topp, Edwin W. (M) .... Sampson Air Base, Geneva, N. Y.  
Toshach, Clarence E. .... 330 S. Jefferson Ave., Saginaw  
Volk, V. K. .... 1501 N. Michigan Ave., Saginaw  
Wallace, H. C., Lt. Col. MC (M) .... Hq. Central Command  
APO 503, c/o P.M., San Francisco, Calif.  
Westlund, Norman. .... 1501 N. Michigan, Saginaw  
Wilson, H. Roy (R) .... 526 Potter, Saginaw  
Wright, Edwin M. .... 404 S. Warren, Saginaw  
Yntema, Stuart. .... 333 S. Jefferson Ave., Saginaw

## St. Clair County

Bailey, Robert S. .... Port Huron  
Banting, Kenneth C. .... Peoples Bank Bldg., Port Huron  
Battley, J. C. Sinclair. .... 940 Military Ave., Port Huron  
Beck, Frank K. .... 901 Lapeer, Port Huron  
Beer, Joseph F. .... South Riverside Dr., St. Clair  
Benjamin, Clayton C. .... 600 Park St., Port Huron  
Biggar, R. J. .... Bahrain Island, Persian Gulf

Borden, Charles L. .... 216 Sperry Bldg., Port Huron  
Bottomley, Thomas H. .... 1102 Sixth St., Port Huron  
Boughner, W. H. .... P. O. Box 286, Algonac  
Bovee, M. E. .... 2208 Stone St., Port Huron  
Bowden, William S. .... 137 Water St., Marine City  
Brush, Howard O. .... 606 Peoples Bank Bldg., Port Huron  
Campbell, Mary B. .... W.B.A. Building, Port Huron

## ROSTER

Ludwig, F. E.	916 Seventh St.,	Port Huron
Martin, Clyde S.	205 Sperry Bldg.,	Port Huron
McColl, D. J. (E)	312 Sperry Bldg.,	Port Huron
McCoy, Leslie F.	902 Tenth Ave.,	Port Huron
Meredith, E. W.	1102 6th St.,	Port Huron
Novak, Walter S.	313 1/2 Huron Ave.,	Port Huron
Patterson, D. Webster	622 Huron Ave.,	Port Huron
Pollock, D. A.	140 S. Main St.,	Yale
Sanderson, Joseph L.	515 Pine St.,	Port Huron
Schaefer, W. A.	Michigan Nat. Bank Bldg.,	Port Huron
Sites, E. C.	Michigan National Bank Bldg.,	Port Huron
Thomas, C. F.	Sperry Bldg.,	Port Huron
Tisdell, James H.		Port Huron
Townley, Charles O.		Port Huron
Treadgold, Douglas	1323 Military St.,	Port Huron
Ulmer, Arthur H.		Port Huron
Vroman, M. E. (R)	520 White St.,	Port Huron
Ware, John R.	3107 24th St.,	Port Huron
Wass, Henry C.		St. Clair
Wetzel, John O.	400 Michigan Nat. Bank Bldg.,	Port Huron
Wilson, N. R.	361 S. Water St.	Marine City

### St. Joseph County

Olney, Harold E.	Leonidas
Parrish, M. F.	120 S. Nottawa, Sturgis
Pennington, Harry C.	118 S. Kalamazoo, White Pigeon
Penzotti, S. C.	402 Constantine, Three Rivers
Porter, C. G.	303 N. Main, Three Rivers
Reed, Fred R.	49 $\frac{1}{2}$ North Main, Three Rivers
Shaw, G. D.	RFD No. 2, Three Rivers
Sheldon, John P.	104 S. Clay, Sturgis
Slote, Leal K. (E)	157 S. Washington, Constantine
Springer, R. A.	Centreville
Sweetland, George J.	240 W. Second, Constantine
Zimont, Raymond D.	100 S. Washington, Constantine

## Sanilac County

McGuegle, K. I.....	Sandusky
Muir, Neil.....	Crosswell
Seager, M. Cole.....	Brown City
Tweedie, G. Evans.....	Sandusky
Tweedie, S. Martin.....	Sandusky
Webster, John C.....	Marlette

## Shiawasse County

McKnight, Edwin R.	320 N. Washington Ave.	Owosso
Merz, Walter L.	224 N. Ball St.	Owosso
Mitchell, A. B.	County Health Dept.	Corunna
Parker, Walter T.	Mathews Building	Owosso
Pochert, Roland C.	1254 N. Shiawasee	Owosso
Richards, Chester J.		Durand
Sahlmark, Joseph F.	812 Bradley	Owosso
Shepherd, W. F.	Mathews Bldg.	Owosso
Watts, Fred A. (E.)	108 W. Exchange St.	Owosso
Weinkauf, William F.		Corunna
Weston, Claude L.	1306 N. Washington St.	Owosso

## Tuscola County

Howlett, R. R.....	624 W. Frank St., Caro
Kaven, G. H. (L).....	Unionville
Merrill, Elmer H.....	South State St., Caro
Morris, Frank L.....	Cass City
Nigg, H. L.....	Caro
Pelczar, Walter E.....	Unionville
Savage, Lloyd L.....	General Delivery, Caro
Swanson, E. C.....	Vassar
Von Renner, Otto (L).....	Vassar

## Van Buren County

Kleber, John A.	South Haven
McFadden, R. I.	Bloomingsdale
Penoyar, C. L.	South Haven
Ralyea, John R.	Paw Paw
Spalding, R. W.	Gobles
Staggs, Adelbert	Hartford
Steele, Arthur H.	Paw Paw
Ten Houten, Charles	Paw Paw
Terwilliger, Edwin H.	Bank of South Haven Bldg., South Haven
Young, William R.	Lawton

## Washtenaw County

Barker, Paul S.....	University Hosp., Ann Arbor
Barlow, K. Craig (A).....	St. Joseph Mercy Hosp., Ann Arbor
Barwell, John B.....	Rm. 870, Vets Admin. Bldg., Vermont Ave. at H. St. N.W., Washington 25, D. C.
Barss, Harold D.....	133 W. Michigan Ave., Ypsilanti
Barss, William A.....	133 W. Michigan Ave., Ypsilanti
Bass, Thomas J.....	601 Armstrong, Ypsilanti
Bassett, Robert C.....	University Hosp., Ann Arbor

# ROSTER

Bassow, Paul H. 406 First Nat. Bldg., Ann Arbor  
Bauer, Gerhard H. 505 First Nat. Bldg., Ann Arbor  
Bauer, Jere M. University Hosp., Ann Arbor  
Baugh, Richard H. 32 N. Washington St., Ypsilanti  
Bazar, Paul (A) University Hosp., Ann Arbor  
Beebe, Hugh M. St. Joseph's Mercy Hosp., Ann Arbor  
Behrman, S. J. (A) University Hosp., Ann Arbor  
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Bethel, Frank H. Simpson Mem. Inst., Ann Arbor  
Botch, E. S. (A) St. Joseph's Mercy Hosp., Ann Arbor  
Brace, William M. University Health Service, Ann Arbor  
Brown, Earle O., Jr. Ypsilanti State Hosp., Ypsilanti  
Brown, P. N., Med Supt. Northville State Hosp., Northville  
Bryant, Henry C. University Hosp., Ann Arbor  
Bryant, Milton F., Jr. (A) University Hosp., Ann Arbor  
Buxton, Robert W. University Hosp., Ann Arbor  
Caldwell, James L. (A) University Hosp., Ann Arbor  
Callander, C. G. (A) University Hosp., Ann Arbor  
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Clay, Joel W. (A) St. Joseph's Mercy Hosp., Ann Arbor  
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Clunas, V. F. (A) St. Joseph's Mercy Hosp., Ann Arbor  
Clyde, Ensign E. 982 W. Ann Arbor Trail, Plymouth  
Coller, Frederick A. University Hosp., Ann Arbor  
Congdon, Charles C. (A) University Hosp., Ann Arbor  
Conn, Jerome W. University Hosp., Ann Arbor  
Crenshaw, John C. (A) University Hosp., Ann Arbor  
Crook, Clarence E. 200 N. Ingalls, Ann Arbor  
Cummings, Howard H. 216 S. State St., Ann Arbor  
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DeTar, John S. Milan  
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Fieley, Melvin M. (A) University Hosp., Ann Arbor  
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Haley, R. R. (A) University Hosp., Ann Arbor  
Hall, Cameron B. (A) University Hosp., Ann Arbor  
Hammond, W. W. 305 W. Ann Arbor Trail, Plymouth  
Handorf, Heinrich H. Penniman-Allen Theater Bldg., Northville  
Hannum, M. R. 54 W. Maine, Milan  
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Thompson, A. S.....Cook County Hosp., Chicago, Ill.  
Thompson, G. R. (A).....University Hosp., Ann Arbor  
Thompson, Robert F. (A).....St. Joseph's Mercy Hosp., Ann Arbor  
Towsley, Harry A.....University Hosp., Ann Arbor  
Treat, D. F. (A).....University Hosp., Ann Arbor  
Tupper, Charles J. (A).....University Hosp., Ann Arbor  
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Washburne, Charles L. (L).....St. Joseph's Mercy Hosp., Ann Arbor

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Wessinger, John A. (E).....339 E. Washington, Ann Arbor  
Westcott, George W.....511 W. Michigan, Ypsilanti  
Westerberg, Martha R.....University Hosp., Ann Arbor  
Westover, Charles J.....982 W. Ann Arbor Trail, Plymouth  
Wetterstrom, R. G.....501 W. Dunlap St., Northville  
Wile, Udo J.....511 First Nat. Bank Bldg., Ann Arbor  
Wille, Warren S.....Ypsilanti State Hospital, Ypsilanti  
Williams, Howard R.....200 N. Ingalls, Ann Arbor  
Williamson, Frederick B.....319 W. Michigan, Ypsilanti  
Wilner, Warren K., Jr.....University Hosp., Ann Arbor  
Wilson, James L.....University Hosp., Ann Arbor  
Wisdom, Inez R.....107 S. W. Trick Bldg., Ann Arbor  
Wollum, Arnold (A).....University Hospital, Ann Arbor  
Woods, J. J.....19 N. Washington, Ypsilanti  
Worth, Melissa H.....15 N. Adams St., Ypsilanti  
Wright, P. E.....Leland Sanatorium, Ypsilanti  
Wright, Walter J. (E).....133 W. Michigan, Ypsilanti  
Wylie, William C. (L).....Dexter  
Yoder, O. R.....Ypsilanti State Hosp., Ypsilanti  
Zaugg, Frederick B. (A).....University Hospital, Ann Arbor  
Zawacki, Sigmund G.....St. Joseph's Mercy Hospital, Ann Arbor  
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## Wexford-Missaukee Counties

Daugharty, Robert V.....115 S. Mitchell St., Cadillac  
Holm, Augustus.....LeRoy  
Inman, J. C.....Lake City  
Lomman, Ralph G.....Manton  
Merriitt, C. E.....Manton  
Moore, Gregory P.....115 S. Mitchell St., Cadillac  
Murphy, M. R.....Granite Bldg., Cadillac

Páye, Philip.....Mercy Hospital, Cadillac  
Purdy, Calvin S.....Buckley  
Smith, Fred R.....James Bogg Bldg., Lake City  
Smith, Wallace J.....East Harris St., Cadillac  
Stokes, William H.....Lake City  
Tornberg, Gordon C.....124 E. Case St., Cadillac  
Youngman, Douglas.....Marion

## Wayne County

Aaron, Charles D. (E).....Tuller Hotel, Detroit  
Abruzzo, Anthony M.....Wayne Co. Gen. Hosp., Eloise  
Adamian, Gerald.....10 Peterboro, Detroit  
Adams, James R.....14741 Michigan Ave., Dearborn  
Adelson, Sidney L.....76 W. Adams St., Detroit  
Adler, Sidney.....872 Fisher Bldg., Detroit  
Agnew, George H.....559 Fisher Bldg., Detroit  
Aiuto, James J.....1004 Maccabees Bldg., Detroit  
Akroyd, Cecil.....3841 Junction, Detroit  
Alderman, R. F.....16880 Gilchrist St., Detroit  
Albrecht, Herman F.....877 Chicago Blvd., Detroit  
Aldrich, E. Gordon.....14239 Chandler Park Dr., Detroit  
Alexander, Eugene J.....Henry Ford Hospital, Detroit  
Allen, John V.....1336 Southfield, Detroit  
Alles, Russell W.....968 Fisher Bldg., Detroit  
Allison, Herbert C.....80 Kercheval, Grosse Pointe Farms  
Alper, Louis.....19120 Snowden Ave., Detroit  
Alpern, Elliott B.....2840 W. 7 Mile Road, Detroit  
Alpiner, Sam.....19009 Conant, Detroit  
Altman, Raphael.....1052 Maccabees Bldg., Detroit  
Altshuler, Abraham M.....508 Fox Theater Bldg., Detroit  
Altshuler, C. H.....Wayne Co. Gen. Hosp., Eloise  
Altshuler, Ira M.....512 Fox Theater Bldg., Detroit  
Amos, Thomas G.....201 Curtis Bldg., Detroit  
Anderson, Bruce (E).....2579 Silver Lake Rd., Pontiac  
Anderson, C. P.....23737 Edward, Dearborn  
Anderson, Gordon H.....13349 Michigan Ave., Dearborn  
Anderson, James O.....641 David Whitney Bldg., Detroit  
Anderson, Walter L.....5902 Jos. Campau, Detroit  
Anderson, Walter T.....923 David Whitney Bldg., Detroit  
Andries, George H., Jr.....853 Fisher Bldg., Detroit  
Andries, Raymond C.....1737 David Whitney Bldg., Detroit  
Ankle, Jerome W.....8331 Mack Ave., Detroit  
Annessa, Domenico M.....3536 Burns, Detroit  
Anslow, Robert E.....10 Peterboro St., Detroit  
Appelman, Howard B.....1014 David Broderick Tower, Detroit  
Archambault, Henry.....1076 Maccabees Bldg., Detroit  
Archart, Burke W.....17600 Harper Ave., Detroit  
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Arminski, Thomas C.....1314 Maccabees Bldg., Detroit  
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Arnold, Effie.....10 Peterboro, Detroit  
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Atler, L. R.....681 W. Forest, Detroit  
Auble, Max E.....2501 W. Grand Blvd., Detroit  
August, Harry F.....1242 Maccabees Bldg., Detroit  
Auld, Douglas V.....275 W. Grand Blvd., Detroit  
Avrin, Ira.....9105 Hamilton, Detroit  
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Babcock, Lloyd K.....16420 Schoolcraft, Detroit

Babcock, Myra E.....7 Poplar Park, Pleasant Ridge  
Babcock, Warren F.....868 Fisher Bldg., Detroit  
Bach, Walter F.....5419 Livernois, Detroit  
Bachman, Morris E.....569 Fisher Bldg., Detroit  
Bacon, Vinton A.....4819 W. Fort St., Detroit  
Bader, Benjamin H.....5210 Third Ave., Detroit  
Baer, George J.....707 David Whitney Bldg., Detroit  
Baer, Raymond B.....7815 E. Jefferson, Detroit  
Bagley, Harry E.....12922 W. Warren Ave., Detroit  
Bailey, Carl C.....9203 Grand River, Detroit  
Bailey, Don A.....12897 Woodward Ave., Detroit  
Bailey, L. J.....620 Vinewood Ave., Birmingham  
Bailey, William A.....22671 Garrison, Apt. 203, Dearborn  
Baker, Clarence.....19182 Patton Ave., Detroit  
Bakst, Joseph.....10 W. Warren, Detroit  
Balaga, Frank T.....9701 Jos. Campau, Detroit  
Balberor, Harry.....1404 David Broderick Tower, Detroit  
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Barber, Radivoj.....504 S. Main St., Plymouth  
Barenholtz, Benjamin.....674 Maccabees Bldg., Detroit  
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Barnes, Van. D.....Vet. Hosp., Dearborn  
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Barnett, L. L.....1806 David Broderick Tower, Detroit  
Barnett, Saul E.....744-6 Lathrop, Detroit  
Barnett, Wyman D.....311 David Whitney Bldg., Detroit  
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Bassett, Louis.....Detroit Receiving Hospital, Detroit  
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Bauer, A. Robert.....19268 Grand River, Detroit  
Bauer, Lester Eugene.....859 Fisher Bldg., Detroit  
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Beam, A. Duane.....85 Kercheval, Detroit  
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Beaver, Donald C.....432 E. Hancock, Detroit  
Beavers, Robert.....2043 McDougall, Detroit  
Becker, Abraham.....1414 David Broderick Tower, Detroit  
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Becklein, Clarence L.....14351 E. Warren Ave., Detroit  
Beckwith, Carl C.....15625 Twelfth St., Detroit  
Beckwith, Morris C.....865 Fisher Bldg., Detroit  
Bedell, Archie A.....15643 Mack Ave., Detroit  
Beers, Morrison D.....1713 David Whitney Bldg., Detroit  
Beuwkes, L. E.....12922 W. Warren, Dearborn  
Behn, Claud W.....1546 David Whitney Bldg., Detroit  
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Bennett, Sanford A. 17904 John R St., Detroit  
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Bennett, Zina B. Michigan Mutual Hosp., 2730 E. Jefferson St., Detroit  
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Benson, Davis A. 3706 Sturtevant, Detroit  
Benson, Virginia M. 16238 Snowden, Detroit  
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Bentley, Neil I. 1166 David Whitney Bldg., Detroit  
Berge, Clarence A. 14309 E. Jefferson, Detroit  
Bergman, Murray Stewart 4400 Livernois, Detroit  
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Blodgett, James B. 606 Kales Bldg., Detroit  
Blodgett, William E. (L.) 602 Kales Bldg., Detroit  
Blodgett, William H. 603 Kales Bldg., Detroit  
Bloom, Arthur R. 1058 Maccabees Bldg., Detroit  
Blumenthal, Franz L. 466 Fisher Bldg., Detroit  
Boccaccio, John L. 16383 Harper, Detroit  
Boccia, J. J. 15761 E. Warren, Detroit  
Boddie, Arthur W. 2737 Chene, Detroit  
Bogue, Robert E. 15819 Wyoming St., Detroit  
Bogusz, Ladislaus Wayne Co. General Hospital, Eloise  
Bohn, Z. Stephen 327 Professional Bldg., Detroit  
Bohne, A. W. Henry Ford Hospital, Detroit  
Boileau, Thornton I. 16546 Parkside, Detroit  
Bolstad, Donald S. Henry Ford Hospital, Detroit  
Bookmyer, R. H. 17198 Oak Drive, Detroit  
Bookstein, Abraham M. 1475 Colton, Detroit  
Bornstein, Sidney 12710 Apollone, Detroit  
Bott, Edmund T. 3152 Biddle St., Wyandotte  
Botvinick, Isador 13701 W. 7 Mile Road, Detroit  
Boutros, Thomas A. 15801 W. McNichols, Detroit  
Bower, Donald W. 1336 Southfield, Lincoln Park  
Bower, Franklin T. 2200 Blaine, Detroit  
Bowers, Leo J. 11200 W. McNichols Road, Detroit  
Boyd, John H. 2615 W. Jefferson, Trenton  
Boyle, A. J. 1441 Lakewood, Detroit  
Bracken, Andrew H. 13102 W. Warren Ave., Dearborn  
Bradfield, Horace F. 6102 Iroquois, Detroit  
Bradley, George T. 1201 David Whitney Bldg., Detroit  
Bradshaw, William H. 4715 St. Antoine, Detroit  
Brady, Herbert A. 208 Reno Bldg., River Rouge  
Braitman, Louis 1504 David Broderick Tower, Detroit  
Braley, William N. 12897 Woodward Ave., Detroit  
Bramick, F. W. 509-11 Professional Bldg., Detroit  
Brand, Benjamin 4500 Wabash Ave., Detroit  
Braun, Lionel 516 Fox Theatre Bldg., Detroit  
Braverman, Morris M. 1222 Maccabees Bldg., Detroit  
Breitenbecher, Edward R. 13973 Woodward, Detroit  
Brekke, Viola G. 369 Glendale, Detroit  
Bremer, William M. 16237 Mack Ave., Detroit  
Brenge, Deane R. 760 Meridan Drive, Dearborn  
Brent, Morris S. 13503 Northlawn Ave., Detroit  
Brey, Norman 1202 Maccabees Bldg., Detroit  
Briegel, Walter A. 730 Maccabees Bldg., Detroit  
Briggs, William J. 1202 Maccabees Bldg., Detroit  
Brines, O. A. 1512 St. Antoine, Detroit  
Bringard, Elmer L. 16889 James Couzens, Detroit  
Brisbois, Harold J. 893 W. Ann Arbor Trail, Plymouth  
Brisson, Joseph C. 9191 Whittier, Detroit  
Bristol, William R. 13626 E. Seven Mile Road, Detroit  
Broadman, Sylvan A. 16401 Grand River, Detroit

Bromme, William 10 Peterboro, Detroit  
Bronson, W. W. 22128 Grand River, Detroit  
Brooks, Clark D. (L.) 113 Martin Place, Detroit  
Brooks, Charles W. 2033 E. Davison Ave., Detroit  
Brooks, Nathan 1001 Kales Bldg., Detroit  
Brosius, William L. Harper Hospital, Detroit  
Broudo, Philip H. 10 Peterboro, Detroit  
Brough, Glen A. 1402 David Whitney Bldg., Detroit  
Brown, Andrew G. 12065 Wyoming, Detroit  
Brown, Audrey O. 742 Maccabees Bldg., Detroit  
Brown, Carlton F. 1229 David Whitney Bldg., Detroit  
Brown, Charles H. 3152 Biddle Ave., Wyandotte  
Brown, Frances 1940 Lincolnshire, Detroit  
Brown, Gordon T. 11146 Gratiot, Detroit  
Brown, Harvey F. 3714 W. McNichols Road, Detroit  
Brown, Henry S. 9101 Hamilton Ave., Detroit  
Brown, John R. 702 Maccabees Bldg., Detroit  
Brown, Robert A. 11299 W. Jefferson, Detroit  
Brown, Samuel M. 63.5 Ellsworth Ave., Detroit  
Brown, Stanley H. 8544 W. McNichols Road, Detroit  
Brown, Thomas A. 5501 W. Warren Ave., Detroit  
Brownell, Paul G. 18916 Woodward Ave., Detroit  
Bruer, E. L. 1495 Fort St., Wyandotte  
Bruer, Edgar S. 11299 W. Jefferson, River Rouge  
Brunk, A. S. Rt. 1, Belle River, Ontario, Canada  
Brunk, Clifford F. 7815 E. Jefferson, Detroit  
Brunke, Bruno B. 7765 Mack Ave., Detroit  
Brush, Brock Edwin 2799 W. Grand Blvd., Detroit  
Bryan, Donald I. 1050 Fisher Bldg., Detroit  
Bryant, D. R. 621 Mott Fdtn. Bldg., Flint  
Bryce, John D. 5400 Trumbull Ave., Detroit  
Buchanan, William Paul 11751 Grand River Ave., Detroit  
Budson, Daniel 1080 Fisher Bldg., Detroit  
Buell, John H. 1306 David Whitney Bldg., Detroit  
Buller, H. L. 4120 Fenkell Ave., Detroit  
Burke, Ralph M. 742 Maccabees Bldg., Detroit  
Burnham, David C. 13700 Woodward Ave., Detroit  
Burns, Robert T. 16101 Harper Ave., Detroit  
Burnstine, Julius Y. 45 Owen Ave., Detroit  
Burnstine, Perry P. 434 W. Palmer, Detroit  
Burr, George C. 1706 David Whitney Bldg., Detroit  
Burr, H. Leonard 168 Fisher Road, Grosse Pointe  
Burroughs, R. G. 545 David Whitney Bldg., Detroit  
Burrows, Howard A. 10423 W. Warren, Dearborn  
Burstein, Harry S. 2950 W. Grand Blvd., Detroit  
Burstein, I. Marvin 2950 W. Grand Blvd., Detroit  
Burstein, Morris M. 2950 W. Grand Blvd., Detroit  
Burton, D. T. 54 Arden Park, Detroit  
Burton, Irving F. 14624 East 7 Mile Road, Detroit  
Bush, Glendon J. 7704 Dexter Blvd., Detroit  
Bush, Lowell M. 18950 Woodward, Detroit  
Butler, Harry J. (L.) 33 Waverly, Highland Park  
Butler, J. Payne 3403 W. Warren, Detroit  
Butler, Lawrence H. 7005 Harper Ave., Detroit  
Butler, Volney N. 28 W. Adams, Detroit  
Butterworth, Herman K. 719 Liberty Ave., Lincoln Park  
Buttrum, Edward J. 14755 Fenkell, Detroit  
Byers, Dudley W. 8934 Oakland Ave., Detroit  
Byington, Garner M. 1151 Taylor Ave., Detroit  
Cadieux, Henry W. (L.) 103 E. Grand Blvd., Detroit  
Cahalan, Joseph L. 1447 David Whitney Bldg., Detroit  
Caldwell, George L. 12017 Joseph Campau, Detroit  
Caldwell, J. Ewart 10 Peterboro, Detroit  
Calkins, H. N. 14970 Robson Ave., Detroit  
Callaghan, Thomas T. 312 Professional Bldg., Detroit  
Cameron, A. H. 2853 Biddle, Wyandotte  
Cameron, D. A. 1410 Kales Bldg., Detroit  
Campau, George H. 393 W. Grand Blvd., Detroit  
Campbell, Charles A. 12922 West Warren, Dearborn  
Campbell, Duncan 9203 Grand River, Detroit  
Campbell, Duncan A. (E.) 1613 David Whitney Bldg., Detroit  
Campbell, Kenneth N. Blaine Hospital, Detroit  
Campbell, Thelma M. Wygant 22375 Garrison, Dearborn  
Candler, C. L. 20040 Mack Ave., Grosse Pointe Woods  
Canter, Allie L. 13700 Woodward Ave., Detroit  
Canter, G. E. 13732 Woodward Ave., Detroit  
Cantor, Meyer O. 666 Maccabees Bldg., Detroit  
Cantow, L. A. 1123 David Whitney Bldg., Detroit  
Capano, Oreste A. 16234 Cruse, Detroit  
Caputo, Joseph M. 22575 Nona Ave., Dearborn  
Caraway, Jas E. 35804 John R St., Wayne  
Carbone, Louis A. 9317 Gratiot, Detroit  
Carey, Cornelius (L.) 9667 Gratiot Ave., Detroit  
Carleton, Lawrence H. 750 Fisher Bldg., Detroit  
Carlson, Harold W. 18070 Wildemere, Detroit  
Carmichael, Edward K. 7815 E. Jefferson, Detroit  
Carp, Joseph 8839 Mt. Elliott, Detroit  
Carpenter, Claire H. 18700 Mever Road, Detroit  
Carpenter, C. J. 3835 Biddle St., Wayne  
Carpenter, William S. 1317 David Whitney Bldg., Detroit  
Carr, J. G. 5181 Van Dyke, Detroit  
Carroll, Elmer H. 9920 Stoepel Ave., Detroit  
Carroll, Lona B. 1066 Maccabees Bldg., Detroit  
Carrick, Lee 1515 Kales Bldg., Detroit  
Carson, Herman J. 7745 Puritan, Detroit  
Carstens, Henry R. 3706 Manor Road, Chevy Chase, Maryland  
Carter, John M. 613 David Whitney Bldg., Detroit  
Carter, L. F. 613 David Whitney Bldg., Detroit  
Casey, Byron L., Jr. 1865 Guardian Bldg., Detroit  
Cashen, Russell M. 1751 Lawrence Ave., Apt. 307, Detroit  
Cassidy, William J. 1737 David Whitney Bldg., Detroit  
Castrop, Charles W. 10149 Michigan Ave., Dearborn  
Catherwood, Albert E. 1337 David Whitney Bldg., Detroit

# ROSTER

Caton, Dorothy F.....17144 Oak Drive, Detroit  
Caughey, Andrew F.....14966 Ardmore, Detroit  
Caughey, Edgar H.....11301 Whittier, Detroit  
Caumartin, Fred E.....14900 Westwood, Detroit  
Cavell, Roscoe W.....10 Peterboro, Detroit  
Cellar, Frank A.....944 Maccabees Bldg., Detroit  
Ceresko, A. R.....18650 W. Warren, Detroit  
Chabut, V. George.....206 W. Dunlap, Northville  
Chall, Henry G.....2941 W. McNichols, Detroit  
Chapin, Sidney E.....10149 Michigan Ave., Dearborn  
Chapman, Aaron L.....2550 Atkinson, Detroit  
Chapman, Paul T.....1151 Taylor Ave., Detroit  
Chapnick, H. A.....506 Kales Bldg., Detroit  
Charleston, R. A.....15174 Lasher Road, Detroit  
Charnas, Sidney.....542 Maccabees Bldg., Detroit  
Chase, Clyde H.....1002 David Whitney Bldg., Detroit  
Chatel, Arthur N.....4927 Cadillac Ave., Detroit  
Chesluk, Herman M.....1312 David Broderick Tower, Detroit  
Chester, William P.....5057 Woodward, Detroit  
Childs, George M.....6505 Hamilton, Detroit  
Chipman, Willard A.....14920 Grand River Ave., Detroit  
Chittenden, George E.....7815 E. Jefferson, Detroit  
Chostner, G. C.....13715 Gratiot Ave., Detroit  
Christensen, C. A.....10149 Michigan Ave., Dearborn  
Christensen, Robert C.....Henry Ford Hospital, Detroit  
Christopher, James G.....Holy Cross Hospital, 4777 East  
Outer Drive, Detroit  
Chrouch, Laurence A.....18456 Grand River, Detroit  
Church, A. S.....10 Peterboro, Detroit  
Cioffari, M. S.....15361 Plymouth, Detroit  
Ciprian, Joseph E.....1775 E. Grand Blvd. Detroit  
Clapper, Muir.....1512 St. Antoine, Detroit  
Clark, Charles J.....Ford Motor Co., Dearborn  
Clark, Clarence M.....2605 Holbrook, Detroit  
Clark, Donald V.....15400 Plymouth Road, Detroit  
Clark, G. E. (E).....Norwich, Ontario, Canada  
Clark, Harold E.....17198 Oak Drive, Detroit  
Clark, Harry G.....15361 Plymouth Road, Detroit  
Clark, Ronald E.....15537 Centralia, Detroit  
Clarke, Norman E.....2501 W. Grand Blvd., Detroit  
Clarke, Robert B.....1112 Kales Bldg., Detroit  
Clifford, C. H.....10 Peterboro, Detroit  
Clifford, J. E.....10 Witherell, Detroit  
Clifford, Thomas P.....1802 David Whitney Bldg., Detroit  
Clippert, J. C.....Dearborn Inn, Dearborn  
Coan, Glenn L.....114 Maple, Wyandotte  
Coates, Carl Amos.....21576 Michigan Ave., Dearborn  
Cobane, John H.....10 Peterboro, Detroit  
Cochrane, Edgar G.....12805 Hamilton, Detroit  
Coffman, Eugene W.....14807 W. McNichols Road, Detroit  
Cohen, H. Herbert.....12700 W. 7 Miles Road, Detroit  
Cohen, Lewis.....16861 Wyoming Ave., Detroit  
Cohn, Daniel E.....409 Fox Bldg., Detroit  
Cohoe, Don A.....13535 Woodward, Detroit  
Cole, Fred H.....1757 David Whitney Bldg., Detroit  
Cole, James E.....344 Glendale, Detroit  
Cole, Wyman C. C.....1077 Fisher Bldg., Detroit  
Coleman, Margarette W.....58 W. Adams Ave., Detroit  
Coleman, William G.....20526 Grand River, Redford  
Collings, M. R.....9201 W. Outer Dr., Detroit  
Collins, James D.....6334 W. Fort St., Detroit  
Collins, James E.....13103 W. Chicago Blvd., Detroit  
Colvin, Leslie T.....474 Fisher Bldg., Detroit  
Colyer, Raymond G.....601 Piquette, Detroit  
Comfort, Milton D.....28754 Seneca, Flat Rock  
Comstock, Lawrence A.....215 St. Joseph., Trenton  
Condon, Stanley.....1477 Lochmoor Blvd., Grosse Pointe Woods  
Conley, L. C. M.....99 Tuxedo, Detroit  
Connelly, Richard G.....1645 David Whitney Bldg., Detroit  
Conner, Edward D.....15778 Birwood, Detroit  
Connolly, Frank.....5149 Joy Road, Detroit  
Connolly, John P.....5149 Joy Road, Detroit  
Connolly, Paul J.....113 Martin Place, Detroit  
Conors, J. J.....3546 Trumbull, Detroit  
Conrad, Elmer R.....716 Kales Bldg., Detroit  
Constable, Canute G.....453 E. Adams, Detroit  
Cook, James A.....1860 Ford at 19th, Wyandotte  
Cook, James C.....Harner Hospital, Detroit  
Cooksey, Warren B.....62 W. Kirby, Detroit  
Coolidge, M. Belle (L).....808 Barrington Road, Grosse Pointe Park  
Cooper, Benjamin F.....10053 Gratiot St., Detroit  
Cooper, Edmond L.....414 David Whitney Bldg., Detroit  
Cooper, James B.....1241 David Whitney Bldg., Detroit  
Cooper, Ralph Ruehl.....1515 David Whitney Bldg., Detroit  
Corbeille, Catherine.....1050 Fisher Bldg., Detroit  
Coseglia, Robert P.....7962 Kercheval, Detroit  
Costello, Russell T.....630 Fisher Bldg., Detroit  
Cotant, John F.....4120 Fenkell, Detroit  
Cotruro, Louis D.....3640 McDougall, Detroit  
Cotton, Schuyler O.....2332 Carson Ave., Detroit  
Coulter, William J.....14827 E. Jefferson, Detroit  
Courville, Charles J.....1202 Maccabees Bldg., Detroit  
Cowan, Wilfrid.....6135 Chalmers, Detroit  
Cowen, Leon B.....1038 Maccabees Bldg., Detroit  
Cowen, Robert L.....907 Stroh Bldg., Detroit  
Coyle, J. E.....573 Fisher Bldg., Detroit  
Coyle, Douglas Ruthven.....7376 Grand River, Detroit  
Crawford, Albert S.....10864 Kingston, Huntington Woods  
Crawford, Thomas H.....772 Fisher Bldg., Detroit  
Croll, Leo J.....1326 Maccabees Bldg., Detroit  
Croll, Maurice.....1326 Maccabees Bldg., Detroit  
Crook, Charles L.....47 W. Grand Ave., Highland Park  
Cross, Harold E.....499 Sunningdale, Grosse Pointe Woods

Crossen, Henry F.....902 David Whitney Bldg., Detroit  
Croushore, James E.....573 Fisher Bldg., Detroit  
Cruikshank, Alexander (E).....228 E. Grand Blvd., Detroit  
Curry, F. S.....3919 John R., Detroit  
Curtis, Frank E.....10 Peterboro, Detroit  
Curtiss, William P.....3181 E. Jefferson, Detroit  
Cushing, Russell G.....13424 Gratiot Ave., Detroit  
Cusick, Paul L.....1108 Stroh Bldg., Detroit  
Dale, Edward C.....Vets. Admin., Mental Hygiene Clinic,  
9th Floor, Guardian Bldg., Detroit  
Dale, Esther H.....1512 St. Antoine, Detroit  
Dale, Mark.....722 Maccabees Bldg., Detroit  
Danforth, James C., Jr.....20175 Mack Ave., Grosse Pointe Woods  
Danforth, James C., Sr.....20175 Mack Ave., Grosse Pointe Woods  
Danforth, Mortimer E. (L).....1311 Cadillac Blvd., Detroit  
Daniels, Lewis E.....458 Fisher Bldg., Detroit  
Darling, Charles E.....673 Fisher Bldg., Detroit  
Darling, Milton A.....407 Kales Bldg., Detroit  
Darmstaetter, A. A.....6602 W. Fort St., Detroit  
Darpin, Peter H.....Henry Ford Hospital, Detroit  
Davidson, Harry O.....1633 David Whitney Bldg., Detroit  
Davies, Robert H.....15425 Kercheval, Grosse Pointe  
Davies, T. S.....1302 Stroh Bldg., Detroit  
Davies, Windsor S.....1852 17th, Wyandotte  
Davis, E. F. (L).....25951 Avondale Road, Inkster  
Dawson, W. A.....710 David Whitney Bldg., Detroit  
Day, Andrew J.....703 David Whitney Bldg., Detroit  
Day, J. Claude.....1392 Coolidge Highway, River Rouge  
Deering, Robert J.....15124 Kercheval, Detroit  
Delever, Cyril R.....1302 Stroh Bldg., Detroit  
Defnet, William A.....Diesel Eng. Div. General Motors Corp.,  
13400 W. Outer Drive, Detroit  
DeJongh, Edwin.....760 Fisher Bldg., Detroit  
Delaini, Stella.....1020 David Whitney Bldg., Detroit  
Delaney, James R.....15312 Burt Road, Detroit  
Demaray, John F.....18262 Oak Drive, Detroit  
Dempster, James H. (L).....Henry Ford Hospital, Detroit  
Denham, Ralph M.....1479 E. Jefferson Ave., Detroit  
DeNike, A. James (L).....4026 W. McNichols Road, Detroit  
Denison, Louis L.....14001 Greenfield, Detroit  
Dennis, M. S.....20249 Van Dyke, Detroit  
DePonio, Sylvester A.....6609 Van Dyke, Detroit  
Deresz, Alphonse R.....562 W. Oakridge, Ferndale  
Derleth, Paul E.....702 Maccabees Bldg., Detroit  
Derr, J. W.....15527 E. Warren, Detroit  
DeSmyter, George C.....2970 W. Grand Blvd., Detroit  
De Spelder, Ray E.....1098 E. Grand Blvd., Detroit  
DeTomas, Rome Q.....14477 W. 7 Mile Road, Detroit  
DeTomy, O. J.....1540 David Whitney Bldg., Detroit  
Devine, Herbert W.....1313 David Whitney Bldg., Detroit  
Dibble, Harry F.....5119 Milford, Detroit  
Dickson, Leon A.....7716 Oakland, Detroit  
Dickson, Elias L.....650 Cadieux, Detroit  
Diebel, Nelson W.....1024 W. Seven Mile Road, Detroit  
Dietzel, H. O.....16114 E. Warren, Detroit  
Dill, Hugh L.....2799 W. Grand Blvd., Detroit  
Dill, J. Lewis.....4345 Harvard Road, Detroit  
DiLoreto, Panfilo C.....6853 Orchard, Dearborn  
Dimond, G. E.....14320 E. Jefferson, Detroit  
Dittmer, Edwin F.....530 N. Telegraph Road, Dearborn  
Dixon, Fred W.....1210 Broderick Tower, Detroit  
Dixon, Ray S.....2501 W. Grand Blvd., Detroit  
Dixon, Robert K.....1355 David Whitney Bldg., Detroit  
Dixons, John C. (L).....791 E. Grand Blvd., Detroit  
Doddenhoff, Chas F.....641 David Whitney Bldg., Detroit  
Doddrell, F. D.....968 Fisher Bldg., Detroit  
Doering, Wendell.....16401 Grand River, Detroit  
Doerr, Louis E. Jr.....12870 E. Jefferson, Detroit  
Dolega, Stanley F.....3605 Third Ave., Detroit  
Dolman, E. Nesbitt.....5361 McDougall, Detroit  
Domzalski, Casimer A.....7815 E. Jefferson, Detroit  
Donald, Douglas.....Henry Ford Hospital, Detroit  
Donavan, Joseph M.....8378 Grand River, Detroit  
Donovan, Daniel R., Jr.....13365 Michigan, Dearborn  
Donovan, Eugene T.....968 Fisher Bldg., Detroit  
Donovan, Richard S.....Wayne County General Hospital, Eloise  
Dorsey, John M.....65 Moss St., Highland Park  
Doty, Chester A.....1735 David Whitney Bldg., Detroit  
Doub, Howard P.....Henry Ford Hospital, Detroit  
Douglas, Clair L.....405 David Whitney Bldg., Detroit  
Dovitz, Benj. W.....95 Martin Place, Detroit  
Dowdle, Edward.....2501 W. Grand Blvd., Detroit  
Downer, Ira G.....8445 E. Jefferson Ave., Detroit  
Downes, George O.....8007 Harper, Detroit  
Doyle, George H.....5543 W. Warren, Detroit  
Drake, Ellet H.....Henry Ford Hospital, Detroit  
Drake, James J.....2567 W. Grand Blvd., Detroit  
Draves, Edward F.....8309 Grand River, Detroit  
Drews, Robert S.....12500 Broadstreet, Detroit  
Drinkhaus, H. I.....14827 E. Jefferson, Detroit  
Droock, Victor.....10 Peterboro, Detroit  
Dubin, Joseph J.....10000 W. Chicago Blvd., Detroit  
Dubnove, Aaron.....2115 W. Grand Blvd., Detroit  
DuBois, Paul W.....1708 Broderick Tower, Detroit  
Dubbernell, Karl (E).....3525 28th St., Detroit  
Dubbernell, Martin S.....4019 Gilbert, Detroit  
Dubbernell, Robert O.....9125 Meyers Road, Detroit  
Dudek, J. J.....16401 Grand River, Detroit  
Dundas, Edward M.....4700 Schlaff, Dearborn  
Dunlap, Henry A.....7815 E. Jefferson Ave., Detroit  
Dunlap, Samson F.....9100 Oakland, Detroit  
Dunn, Cornelius E.....11107 Mack Ave., Detroit

# ROSTER

Durham, Everett.....904 S. Military, Dearborn  
Durocher, Edmund J.....4158 W. Jefferson, Ecorse  
Dwaihy, Paul J.....4526 Van Dyke, Detroit  
Dwyer, Francis W.....7448 Linwood, Detroit  
Dziuba, John F.....8559 W. Jefferson, Detroit  
Eades, Charles C.....863 Fisher Bldg., Detroit  
Eadie, G. A.....16083 Southamptn, RFD 5, Plymouth  
Eakins, Frederick J.....Vets. Admin. Guardian Bldg., Dearborn  
Easterly, Robert L.....9 Saliotte Road, Ecorse  
Eaton, Crosby D.....462 Fisher Bldg., Detroit  
Eder, Samuel J.....1116 Maccabees Bldg., Detroit  
Edgar, Irving I.....712 Maccabees Bldg., Detroit  
Edgar, Russell G.....8011 W. Vernor Hgwy., Detroit  
Edmonds, Gerald W.....44200 W. 10 Mile Road, Northville  
Edmonds, W. N.....10 Peterboro, Detroit  
Edmondson, Robert B.....11146 Gratiot, Detroit  
Edwards, Gilbert Lloyd.....1841 E. Davison, Detroit  
Eisman, Clarence H.....1025 E. Forest Ave., Detroit  
Eldredge, Edward F.....412 Kales Bldg., Detroit  
Ellias, Elmer P.....4330 Fullerton, Detroit  
Elliott, William G.....4101 Fenkell, Detroit  
Elman, Meyer J.....14002 Woodward, Detroit  
Elvidge, Robert J.....659 W. Euclid Ave., Detroit  
Emmert, Herman C. (L).....7303 Grandmont, Detroit  
Engel, E. H.....114 Maple St., Wyandotte  
English, Leo Victor.....4533 W. Warren, Detroit  
Eno, Laurel S.....1001 David Whitney Bldg., Detroit  
Ensign, Dwight C.....Henry Ford Hospital, Detroit  
Ensing, Osborn.....758 Fisher Bldg., Detroit  
Epstein, S. G.....6438 Van Dyke, Detroit  
Erickson, Eldon W.....2900 S. Fort St., Detroit  
Erkfitz, Arthur W.....545 David Whitney Bldg., Detroit  
Erman, J. M.....9225 Grand River, Detroit  
Eschbach, Jos. W.....936 S. Military, Dearborn  
Estabrook, Bert U. (L).....850 Virginia Park, Detroit  
Ettinger, Clayton J.....18734 Woodward, Detroit  
Evans, Jos. M.....10500 E. Warren Ave., Detroit  
Evans, Leland S.....20953 Grand River, Redford  
Evans, W. A., Jr.....552 Fisher Bldg., Detroit  
Evison, Emerson O.....1003 Hawthorne Rd., Grosse Pointe Woods  
Ewing, C. H.....16545 E. Warren, Detroit  
Eyles, A. E.....1064 Fisher Bldg., Detroit  
Fagin, Irving D.....1214 Maccabees Bldg., Detroit  
Falick, Mordecai Louis.....960 Fisher Bldg., Detroit  
Falk, Ira E.....7925 W. Verner Highway, Detroit  
Fallis, Lawrence S.....Henry Ford Hospital, Detroit  
Fandrich, Theodore S.....1004 Maccabees Bldg., Detroit  
Farbman, Aaron A.....14515 Kercheval, Detroit  
Farbman, Simon S.....13300 Fenkell, Detroit  
Fauce, Sherman P.....8300 Kercheval, Detroit  
Felcyn, W. George.....4818 W. Warren Ave., Detroit  
Feld, David.....738 Maccabees Bldg., Detroit  
Feldkamp, Lee E.....9545 Grand River, Detroit  
Feldman, N. L.....2540 Pasadena, Detroit  
Feldman, Paul.....Wayne Co. General Hosp., Eloise  
Feldstein, Martin Z.....907 Kales Bldg., Detroit  
Fellers, Ray L.....6505 Grand River, Detroit  
Fenech, Harold B.....324 Professional Bldg., Detroit  
Fenner, William G.....3520 Fischer Avenue, Detroit  
Fenton, Edwin H.....15125 Grand River Ave., Detroit  
Fenton, Meryl M.....8830 W. McNichols Rd., Detroit  
Fenton, Russell F.....15125 Grand River Ave., Detroit  
Fenton, Stanley C.....15310 E. Warren St., Detroit  
Ferrera, Louis V.....13805 Parkgrove Ave., Detroit  
Ferrera, Virginia M.....18422 Woodward Ave., Detroit  
Ferrell, R. D.....Wayne Co. General Hosp., Eloise  
Ferris, G. N.....15400 Plymouth, Detroit  
Fettig, Carl A. (E).....6154 W. Fort St., Detroit  
Fill, Leon.....1506 David Broderick Tower, Detroit  
Finch, Alvis D.....1447 David Whitney Bldg., Detroit  
Finch, F. Sinclair.....21303 Gratiot, East Detroit  
Fine, Edward.....1112 Kales Bldg., Detroit  
Finkelstein, M. B.....612 Kales Bldg., Detroit  
Fischer, Frederick J.....474 Fisher Bldg., Detroit  
Fisher, George S.....1310 David Broderick Tower, Detroit  
Fisher, James M.....79 Kercheval, Grosse Pointe  
Fisher, O. O.....2475 Iroquois Ave., Detroit  
Fisher, Ralph L.....8445 E. Jefferson, Detroit  
Fitzgerald, James M.....2536 W. Grand Blvd., Detroit  
Flaherty, H. J.....15865 Wyoming, Detroit  
Flaherty, Norman W.....10573 W. Jefferson, River Rouge  
Fleming, L. N.....6150 W. Fort St., Detroit  
Flora, William Robert.....8909 E. Jefferson, Detroit  
Flower, J. A.....14140 Puritan, Detroit  
Fogt, Herbert E.....7835 E. Forest, Detroit  
Fogt, Robert G.....7835 E. Forest, Detroit  
Folberg, Irving.....9246 Grand River, Detroit  
Foley, Hugh S.....22255 W. Michigan, Dearborn  
Foley, Joseph M.....1429 David Whitney Bldg., Detroit  
Font, Anthony J.....2195 E. Grand Blvd., Detroit  
Foote, James A.....1336 Southfield Rd., Lincoln Park  
Ford, George A. (L).....803 Stroh Bldg., Detroit  
Ford, Sylvester.....1010 Stroh Bldg., Detroit  
Ford, Walter D. (E).....4866 Third Ave., Detroit  
Fordell, F. S.....441 S. Oakwood, Lincoln Park  
Forgrave, E. G.....14001 Greenfield, Detroit  
Forsythe, John R.....19566 Grand River, Detroit  
Foster, Daniel P.....Henry Ford Hospital, Detroit  
Foster, E. Bruce.....853 Fisher Bldg., Detroit  
Foster, Linus J.....10 Peterboro, Detroit  
Foster, Owen C.....1015 David Whitney Bldg., Detroit  
Foster, Wallace M.....13700 Woodward, Detroit  
Foster, Wm. L.....2567 W. Grand Blvd., Detroit

Fowler, Melvin E.....247 E. Warren, Detroit  
Fox, Leonard.....258 Emmons Blvd., Wyandotte  
Fox, Morris Edward.....10 Peterboro, Detroit  
Fraiberg, Paul L.....13001 W. Chicago, Detroit  
France, C. J.....3401 Burns Ave., Detroit  
Franjac, M. J.....13919 Michigan Ave., Dearborn  
Franklin, John T. W.....73 Orchestra Place, Detroit  
Franzen, Nils A.....19566 Grand River, Detroit  
Frazer, Mary Margaret.....812 Kales Bldg., Detroit  
Frederickson, G. C.....3919 John R., Detroit  
Free, Harry W.....952 Fisher Bldg., Detroit  
Freedman, John.....4853 2nd Blvd. at Warren Ave., Detroit  
Freeman, Michael W.....1810 Wallesley Dr., Detroit  
Freeman, D. K.....881 Chalmers, Detroit  
Freeman, Mable.....1316 Broderick Tower, Detroit  
Freedman, Milton.....18626 Santa Barbara, Detroit  
Freeman, Thelma.....1055 Knox St., Birmingham  
Freeman, Wilmer.....940 E. Seven Mile Rd., Detroit  
Freid, Samuel.....16850 Joy Road, Detroit  
Freier, Morton L.....1503 Kales Bldg., Detroit  
Fremont, Joseph C.....1202 David Whitney Bldg., Detroit  
Freund, Hugo A.....62 West Kirby Ave., Detroit  
Frey, James L.....422 W. Golden Gate, Detroit  
Friedlaender, Alex S.....905 Kales Bldg., Detroit  
Friedlaender, Sidney.....905 Kales Bldg., Detroit  
Friedman, David.....2429 E. Milwaukee Ave., Detroit  
Friedman, I. H.....3773 2nd Ave., Detroit  
Fritz, George E.....9149 E. Jefferson, Detroit  
Frothingham, George E. (E).....707 David Whitney Bldg., Detroit  
Fryfogel, James D.....655 Fisher Bldg., Detroit  
Fulgenci, Andrew A.....7445 Mack Ave., Detroit  
Fullenwider, Allan C.....22128 Grand River, Detroit  
Fuller, Hugh M.....1257 David Whitney Bldg., Detroit  
Fulton, William James.....3-204 General Motors Bldg., Detroit  
Gaberman, David B.....908 Broderick Tower, Detroit  
Gaffney, J. Mitchell.....7356 12th St., Detroit  
Galantowicz, Henry C.....7433 Michigan, Detroit  
Galdonyi, Laslo.....1406 Broderick Tower, Detroit  
Galdonyi, Nicholas.....8001 W. Jefferson, Detroit  
Galerneau, D. B.....25005 Van Dyke, Center Line  
Gales, J. O.....7702 W. Fort St., Detroit  
Galvin, Paul P.....7416 Twelfth St., Detroit  
Gannan, Arthur M.....4515 Trumbull, Detroit  
Ganschow, John H.....1840 Holbrook, Detroit  
Gardner, Lawrence W.....6071 W. Outer Drive, Detroit  
Garipey, Louis J.....16401 Grand River Ave., Detroit  
Gass, H. Harvey.....755 Fisher Bldg., Detroit  
Gaston, Herbert B.....871 Fisher Bldg., Detroit  
Gates, Nathaniel H.....10 Peterboro, Detroit  
Gaydos, Leonard M.....311 David Whitney Bldg., Detroit  
Gaynor, Alex.....1326 E. Seven Mile Rd., Detroit  
Gehring, Harold W.....767 Fisher Bldg., Detroit  
Geib, Ledru O.....3528 Van Dyke St., Detroit  
Geitz, William A.....7234 E. Forest Avenue, Detroit  
Gelbach, P. D.....2900 S. Fort, Detroit  
Gellert, I. S. (L).....1229 David Whitney Bldg., Detroit  
Gemero, J. C.....664 Fisher Bldg., Detroit  
Gerondale, Edmond J.....750 Fisher Bldg., Detroit  
Gibson, Dumbard.....8550 Oakland, Detroit  
Giese, Douglas.....602 Doctors Bldg., Detroit  
Giese, Fred W.....18526 Schoolcraft, Detroit  
Gigante, Nicola.....3413 McDougall Ave., Detroit  
Gigliotti, David.....Providence Hospital, Detroit  
Gilbert, Harold R.....13418 Fort Street, Wyandotte  
Gillespie, Stephen M.....1011 Haigh St., Dearborn  
Gillman, R. W. (E).....10 Peterboro, Detroit  
Gilpin, W. A.....4560 Niagara Lane, Rte. 1, Birmingham  
Ginsberg, Harold L.....1328 Maccabees Bldg., Detroit  
Gitlin, Charles.....1610 Glendale, Detroit  
Gitlin, Julius R.....6502 Chene, Detroit  
Gittins, Perry C.....732 Maccabees Bldg., Detroit  
Glasgow, Gordon K.....575 Lodge Drive, Detroit  
Glassman, Samuel.....60 W. Hancock, Detroit  
Glazer, Walter S.....60 W. Hancock, Detroit  
Gleason, John E. (L).....1061 David Whitney Bldg., Detroit  
Glees, John L.....11631 Mack, Detroit  
Glemet, Raymond B.....3314 Bagley, Detroit  
Glowacki, B. F.....1144 Maccabees Bldg., Detroit  
Gmeiner, Clarence C.....13339 Woodrow Wilson Bldg., Detroit  
Goerke, Elmer A.....3663 Goddard Road, Romulus  
Goetz, Angus G.....710 David Whitney Bldg., Detroit  
Goins, W. F.....6675 Tireman, Detroit  
Goldberg, Arthur.....340 8 Mile Road, Detroit  
Goldberg, Harry H.....514 Fox Theater Bldg., Detroit  
Goldberg, Nathan.....514 Fox Theater Bldg., Detroit  
Goldin, M. I.....632 Maccabees Bldg., Detroit  
Goldman, Abe A.....1013 Kales Bldg., Detroit  
Goldman, Aubrey.....909 Kales Bldg., Detroit  
Goldman, Perry.....1318 Maccabees Bldg., Detroit  
Goldstein, Abe S.....2260 LaSalle Gardens, Detroit  
Goldstone, R. R.....10 Peterboro, Detroit  
Gollman, Maurice D.....918 Maccabees Bldg., Detroit  
Gonne, William S.....619 David Whitney Bldg., Detroit  
Goodman, Herbert L.....1512 St. Antoine, Detroit  
Goodrich, Benjamin E.....Henry Ford Hospital, Detroit  
Gordon, John W. (R).....12700 Mendota, Detroit  
Gordon, William E.....14820 Rosemont, Detroit  
Gordon, William H.....1102 David Whitney Bldg., Detroit  
Gore, Ira.....Henry Ford Hospital, Detroit  
Gorelick, Martin J.....23901 Michigan Ave., Dearborn  
Gorning, Raymond P.....857 Marlborough, Detroit  
Goryl, Stephen V.....9953 E. Forest, Detroit  
Goss, Samuel B.....10 Peterboro, Detroit

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Gostine, Edmond.....	9758 Chalmer Ave. at Longview,	Detroit
Gottschalk, Fred W.....	1314 Maccabees Bldg.,	Detroit
Gould, S. Emanuel.....	Eloise Hospital, Eloise	
Gourley, E. V.....	3919 John R.,	Detroit
Goux, Raymond S.....	545 David Whitney Bldg.,	Detroit
Grace, Joseph M.....	17505 Parkside,	Detroit
Graff, J. M.....	7305 Joseph Campau,	Detroit
Graham, John G., Jr.....	7815 E. Jefferson,	Detroit
Grain, Gerald O.....	Henry Ford Hospital,	Detroit
Grajewski, Leo E.....	2201 E. Jefferson Ave.,	Detroit
Gramley, William.....	13328 E. Jefferson Ave.,	Detroit
Granger, Francis L.....	14160 Gratiot Ave.,	Detroit
Granger, G. R.....	1406 David Broderick Tower,	Detroit
Grant, Abraham H.....	2012 Gladstone,	Detroit
Grant, Heman E. (L).....		Detroit
Gratton, Henri L.....	1301 Kales Bldg.,	Detroit
Gravelle, Lawrence J.....	1036 David Whitney Bldg.,	Detroit
Gray, Jacques Pierce.....	1415 Parker,	Detroit
Green, Ellis R.....	5172 Scotten Ave.,	Detroit
Green, Lewis.....	13000 Grand River,	Detroit
Green, Louis M.....	14636 E. Seven Mile Road	
Green, Nelson W.....	15819 Wyoming,	Detroit
Green, Simpson W.....	908 Hofmann Bldg.,	Detroit
Greenberg, Jack R.....	15743 W. 7 Mile Road,	Detroit
Greenberg, Julius J.....	1211 David Broderick Tower,	Detroit
Greenberg, Morris Z.....	9105 Van Dyke,	Detroit
Greene, John B.....	2730 Hastings St.,	Detroit
Greenidge, Robert.....	4839 Beaubien St.,	Detroit
Greenlee, William Tate.....	14201 Gratiot Ave.,	Detroit
Greiner, Bert A.....	13739 Gratiot,	Detroit
Grekin, John N.....	3016 David Stott Bldg.,	Detroit
Grekin, Samuel L.....	951 Fisher Bldg.,	Detroit
Griffith, A. J.....	14049 Warwick Road,	Detroit
Griffiths, Sidney.....	15400 Plymouth Road,	Detroit
Grimaldi, Gregory J.....	2983 Seminole,	Detroit
Grintstein, Alexander.....	18700 Woodingham Drive,	Detroit
Grob, Otto.....	651 Fisher Bldg.,	Detroit
Gross, Louis.....	18937 Van Dyke,	Detroit
Grotz, Genevieve A.....	Wayne Co. Health Dept.,	Eloise
Gudes, David S.....	1080 Fisher Bldg.,	Detroit
Guerrero, Jose.....	13535 Woodward Ave.,	Detroit
Gulick, Arthur E.....	Deer Street, Plymouth	
Guimaraes, A. S.....	7301 Shaefer Highway, Dearborn	
Guinan, G. E.....	35551 Ford Road, Wayne	
Gurdjian, E. S.....	840 David Whitney Bldg.,	Detroit
Gurskis, Eugenia.....	504 Kales Bldg.,	Detroit
Gutow, Benj. R.....	602 Maccabees Bldg.,	Detroit
Gutterman, Meyer A.....	1007 Kales Bldg.,	Detroit
Haeefe, Leslie P.....	29108 Ford Road, Garden City	
Haittinger, Kalmon S.....	7850 E. Jefferson,	Detroit
Haking, Leonard.....	9661 Gratiot,	Detroit
Hale, Arthur S.....	1501 David Whitney Bldg.,	Detroit
Hall, E. Walter.....	10 Peterboro,	Detroit
Hall, James A. J.....	28 W. Adams St.,	Detroit
Hall, Ralph E.....	10 Peterboro,	Detroit
Hall, Robert J.....	6014 W. Fort St.,	Detroit
Hall, Winthrop D.....	3000 Schaefer Road, Dearborn	
Hallen, Leonard.....	14001 Greenfield,	Detroit
H'Amada, Norman K.....	904 Maccabees Bldg.,	Detroit
Hamburger, A. C.....	1512 David Broderick Tower,	Detroit
Hamil, Brenton M.....	Henry Ford Hospital,	Detroit
Hamilton, Norman C.....	14555 Wyoming,	Detroit
Hamilton, W. F. (L).....	58 W. Adams Ave., Suite 310,	Detroit
Hamilton, William.....	13836 Woodward Ave.,	Detroit
Hammer, Edwin J.....	16616 Mack,	Detroit
Hammond, Arthur E.....	1863 David Whitney Bldg.,	Detroit
Hammond, J. L.....	25520 Goddard Road, Taylor	Center
Hand, Fordus V.....	81 East Kirby,	Detroit
Hanna, Carl.....	15777 Lindsay Ave.,	Detroit
Hanna, E. Howard.....	1004 Maccabees Bldg.,	Detroit
Hansen, Frederick E.....	16854 Baylis,	Detroit
Hanser, Joshua (L).....	3000 Fields,	Detroit
Hardstaff, R. John.....	1201 Stroh Bldg.,	Detroit
Harelik, E. W.....	614 Maccabees Bldg.,	Detroit
Harkawav, Roman.....	19125 Van Dyke,	Detroit
Harley, Garth H.....	834 N. York, Dearborn	
Harley, Louis M.....	660 Maccabees Bldg.,	Detroit
Harm, Winfred B.....	5884 West Vernor Highway,	Detroit
Harmon, Walter.....	2510 E. Davison,	Detroit
Harper, Jesse T.....	1248 David Whitney Bldg.,	Detroit
Harrington, Frank L.....	4120 Fenkell,	Detroit
Harris, Harold H.....	8011 W. Vernor Highway,	Detroit
Harris, Ivor David.....	1536 David Whitney Bldg.,	Detroit
Harrison, Hugh (E).....	3505 E. Forest Ave.,	Detroit
Harrison, Weslev, Jr.....	4847 Iroquois,	Detroit
Hart, Charles E.....	9341 Moffat Ave.,	Detroit
Hart, John C.....	9341 Moffat Ave.,	Detroit
Hartkop, Henry H.....	905 Stroh Bldg.,	Detroit
Hartman, Frank W.....	Henry Ford Hospital,	Detroit
Hartquist, Robert J. (M).....	USAF Station Hosp.	
Hartzell, John B.....	Chanute Air Base, Illinois	
Hasley, Clyde K.....	7815 Jefferson Ave. E.,	Detroit
Hasley, Daniel E.....	1429 David Whitney Bldg.,	Detroit
Hasig, W. W.....	1516 St. Antoine St.,	Detroit
Hastings, Orville J.....	3631 McClellan,	Detroit
Hathawav, Hubert R.....	15132 Harper,	Detroit
Hause, Glen E.....	Ford Motor Co., Dearborn	
Hauser, I. Jerome.....	16401 Grand River,	Detroit
Hauser, John E.....	7411 Third Ave.,	Detroit
Hauser, Maurice J.....	671 Fisher Bldg.,	Detroit
Havers, Howard.....	7411 Third Ave.,	Detroit
Hawkins, James W.....	1032 Maccabees Bldg.,	Detroit
	8527 Quincy Ave.,	Detroit
Heath, Leonard P.....	1457 David Whitney Bldg.,	Detroit
Heavner, Lyle E.....	119 Kercheval,	Detroit
Hecht, Manes S.....	773 Fisher Bldg.,	Detroit
Hedges, Frank W.....	11631 Mack Ave.,	Detroit
Heenan, Theophilus H.....	1409 David Whitney Bldg.,	Detroit
Heideman, Louis E.....	12244 Dexter Blvd.,	Detroit
Heldt, Thomas J.....	Henry Ford Hospital,	Detroit
Hellems, H. K.....	Wayne University Col. of Med.,	Detroit
Hendelman, Manuel H.....	14350 Harper,	Detroit
Henderson, Allison B.....	5320 John R.,	Detroit
Henderson, Arthur B.....	10452 Mack,	Detroit
Henderson, Charles W.....	853 Fisher Bldg.,	Detroit
Henderson, Harold.....	852 Fisher Bldg.,	Detroit
Henderson, J. L.....	11339 St. Aubin Ave.,	Detroit
Henderson, John C.....	3919 John R.,	Detroit
Henderson, Leslie T.....	13038 E. Jefferson,	Detroit
Henderson, William E.....	5349 Van Dyke Ave.,	Detroit
Hendry, H. W.....	2716 Rochester,	Detroit
Henig, Fred N.....	7605 W. Seven Mile Road,	Detroit
Henrich, Lawrence E.....	2501 W. Grand Blvd.,	Detroit
Herbst, Harold B.....	17300 Schaefer Road,	Detroit
Herkimer, Dan R.....	1802 Buckingham, Lincoln Park	
Herold, Rose E.....	1277 E. Grand Blvd.,	Detroit
Herschmann, Roy F.....	3343 Gratiot Ave. at Mack,	Detroit
Herwick, John T.....	Henry Ford Hospital,	Detroit
Hessschwert, D. W.....	3919 John R.,	Detroit
Hewitt, Leland V.....	917 David Whitney Bldg.,	Detroit
Hewitt, Robert S.....	2255 Fort Street, Lincoln Park	
Heyner, Stanley A.....	7415 Fullerton Ave.,	Detroit
Hickey, Joseph.....	6004 W. Fort St.,	Detroit
Hicks, Fred G.....	7301 Schaefer Road, Dearborn	
Higbee, Arthur L.....	429 E. Grand Blvd.,	Detroit
Hileman, S. Lee.....	4043 W. Jefferson,	Ecorse
Hill, E. J.....	1515 David Whitney Bldg.,	Detroit
Hill, Welford T.....	2405 Joseph Campau,	Detroit
Hillenberg, Sidney J.....	20215 W. Seven Mile Rd.,	Detroit
Hillenbrand, Alfred E.....	14321 Kercheval,	Detroit
Hiller, Glenn I.....	397 Elmhurst, Highland Park	
Hilton, Wm. E.....	13902 Mack Ave.,	Detroit
Hiratzka, Tomiharu.....	1512 St. Antoine,	Detroit
Hirschman, L. J. (E).....	2619 Munson Ave., Traverse City	
Hoagland, Thomas V.....	28 W. Adams, Suite 1807,	Detroit
Hochman, Morton M.....	16633 Plymouth Road,	Detroit
Hodges, Jason.....	1200 S. Oxford Road, Grosse Pointe Woods	
Hodgkinson, C. P.....	Henry Ford Hospital,	Detroit
Hodoski, Frank J.....	3814 35th St.,	Detroit
Hoffman, E. S.....	766 Fisher Bldg.,	Detroit
Hoffman, Edward A.....	10125 Tireman, Dearborn	
Hoffman, Harry Y.....	9920 Harper,	Detroit
Hoffman, Henry A.....	10015 E. Outer Drive,	Detroit
Hoffman, Martin H.....	1311 David Whitney Bldg.,	Detroit
Holcomb, August A.....	117 W. Wing St., Northville	
Holcomb, Clayton E.....	22203 Grand River,	Detroit
Hollander, A. J.....	8026 Michigan Ave.,	Detroit
Hollis, Henry B.....	7439 W. Warren,	Detroit
Holman, Herbert H.....	2010 David Broderick Tower,	Detroit
Holmes, Alfred W.....	8802 Michigan,	Detroit
Holt, Henry T.....	432 Lathrop Road, Grosse Pointe Farms	
Honhart, Fred L.....	3240 Gratiot,	Detroit
Honor, William H. (L).....	2966 Biddle, Wyandotte	
Hokey, John A.....	2918 Biddle, Wyandotte	
Hooper, Norman L.....	6 Port Drive,	Detroit
Hoons, George B. (L).....	754 Fisher Bldg.,	Detroit
Hopkins, J. E.....	6381 W. Fort St.,	Detroit
Horan, Thomas N.....	1217 David Whitney Bldg.,	Detroit
Horkins, Harold A.....	893 Lakewood,	Detroit
Horny, Hugo.....	619 Barrington Road, Grosse Pointe	
Horton, Reece H.....	938 David Whitney Bldg.,	Detroit
Horvath, Louis O.....	9122 W. Fort St.,	Detroit
Horwitz, John B.....	1208 David Broderick Tower,	Detroit
Hotchkiss, Loris M.....	33220 W. Seven Mile Road, Farmington	
Howard, Austin Z.....	825 David Whitney Bldg.,	Detroit
Howard, Philip J.....	Henry Ford Hospital,	Detroit
Howard, W. L.....	Maybury San, Northville	
Howell, Bert F.....	10800 Whittier,	Detroit
Howes, Homer A.....	1515 David Whitney Bldg.,	Detroit
Howes, Willard Boyden.....	1800 Tuxedo,	Detroit
Howlett, Howard T.....	868 Fisher Bldg.,	Detroit
Hromadko, Louis.....	1075 Fisher Bldg.,	Detroit
Hubbard, John P.....	1130 E. Grand River,	Detroit
Hubbard, Ralph G.....	14800 Prevost,	Detroit
Hudson, J. Stewart.....	17443 E. Jefferson Ave., Grosse Pointe	
Hudson, Wm. A.....	602 David Whitney Bldg.,	Detroit
Huegli, Wilfred A.....	16840 E. Warren,	Detroit
Huff, Reginald G.....	35550 Michigan Ave., Wayne	
Hull, LeRoy W.....	1701 David Whitney Bldg.,	Detroit
Hulme, A. W., Lt. (jg) (M) USNR.....	2nd Med Bat., 2nd Marine	
	Div., Camp Lejeune, N. C.	
Huminski, T. S.....	19036 Van Dyke,	Detroit
Hummel, Arthur R.....	8045 E. Jefferson,	Detroit
Hunt, T. H.....	19431 Van Dyke,	Detroit
Hunt, Verne G.....	723 David Whitney Bldg.,	Detroit
Hunter, Basil H.....	13341 Livernois,	Detroit
Hunter, Elmer N.....	7615 W. Vernor Highway,	Detroit
Husband, Chas. W.....	3810 Northwestern Ave.,	Detroit
Husband, R. C.....	3810 Northwestern,	Detroit
Hyatt, Jarvis M.....	22340 Michigan, Dearborn	
Hyde, Frederick W.....	6104 W. Vernor Highway,	Detroit
Hyde, Frederick W., Jr.....	Grace Hospital,	Detroit
Hyland, John R.....	13030 Mack Ave.,	Detroit
Hyman, Samuel J.....	27371 Michigan, Inkster	
Iacobell, Peter H.....	19300 Van Dyke,	Detroit
Ignia, Eli J.....	1109 Kales Building,	Detroit

# ROSTER

Ignatius, A. A. 8830 W. McNichols, Detroit  
Irvin, Earle Albert 1341 Buckingham Road, Detroit  
Irwin, William A. Providence Hospital, Detroit  
Isaacson, Arthur 2921 E. Davison, Detroit  
Iseri, Lloyd T. Wayne University, Detroit  
Israel, Barney B. 1424 Maccabees Bldg., Detroit  
Israel, Joseph G. 870 Maccabees Bldg., Detroit  
Jacobson, Samuel D. 2435 Oakman Blvd., Detroit  
Jaekel, C. N. 1086 E. Grand Blvd., Detroit  
Jaeger, Grove A. 1802 E. Grand Blvd., Detroit  
Jaffar, Donald J. 734 Maccabees Bldg., Detroit  
Jaffe, J. L. 7465 Harper, Detroit  
Jaffe, Jacob 501 Fox Theater Bldg., Detroit  
Jaffe, Louis 1605 David Broderick Tower, Detroit  
Jahsman, William E. Henry Ford Hospital, Detroit  
Jamieson, Thomas J. 1310 Warwick, Lincoln Park  
Janicki, Natalia J. Wayne Co. General Hospital, Eloise  
Jarre, Hans A. Grace Hospital, Detroit  
Jarsen, Frank J. 817 Beechmont, Dearborn  
Jarvis, Harold F. 13642 Gratiot at McNichols Road, Detroit  
Jasione, Lawrence J. 16853 Harper, Detroit  
Jeffries, Benjamin 1753 Guardian Bldg., Detroit  
Jend, W. J. (L.) 3598 Mitchell, Detroit  
Jenkins, Elwood A. 514 Kales Building, Detroit  
Jennings, Charles G. 7815 E. Jefferson, Detroit  
Jennings, Elmer R. Alexander Blain Hospital, Detroit  
Jentgen, Chas. J. 2501 W. Grand Blvd., Detroit  
Jentgen, L. G. 7338 Woodward, Detroit  
Jeremias, Robert C. 13300 Livernois, Detroit  
Jewell, F. C. 1122 E. Grand Blvd., Detroit  
Jocz, M. W. 945 Trombley Road, Grosse Pointe Park  
Jodar, E. O. 15760 Mack, Detroit  
John, Hubert R. 650 Maccabees Bldg., Detroit  
Johnson, Homer L. Henry Ford Hospital, Detroit  
Johnson, Ralph A. 7815 E. Jefferson, Detroit  
Johnson, Thomas 20526 Grand River, Detroit  
Johnson, Vernon P. 10445 Kercheval, Detroit  
Johnson, Vincent C. 10 Peterboro, Detroit  
Johnson, W. H. M. 7159 Michigan, Detroit  
Johnston, Charles G. 1512 St. Antoine, Detroit  
Johnston, Everett V. 3413 McDougall, Detroit  
Johnston, John L. 1950 W. McNichols Road, Detroit  
Johnston, Joseph A. Henry Ford Hospital, Detroit  
Johnston, R. M. Grace Hospital, Detroit  
Johnston, William E. 1071 Fisher Bldg., Detroit  
Johnstone, B. I. 555 Fisher Bldg., Detroit  
Joinville, E. V. 1202 Stroh Bldg., Detroit  
Jones, Arthur J. 5760 Burns Ave., Detroit  
Jones, Edna M. Maybury Sanatorium, Northville  
Jones, L. F. 19191 Mendota Road, Detroit  
Jones, Roy D. 15720 James Couzens Highway, Detroit  
Jones, W. J. 2514 Biddle, Wyandotte  
Jordan, R. Gerald 7759 Harper Ave., Detroit  
Joyce, Stanley J. 1078 Fisher Bldg., Detroit  
Juliar, Benjamin 1004 David Broderick Tower  
Jurow, Harry N. 771 Fisher Bldg., Detroit  
Jury, Donald B. 18800 Woodward, Detroit  
Kalayjian, Bernard S. Woman's Hospital, Detroit  
Kalder, Ned Block 6071 W. Outer Drive, Detroit  
Kallet, Herbert I. 944 Maccabees Bldg., Detroit  
Kallman, David 5725 Cass, Detroit  
Kallman, Leo 5725 Cass, Detroit  
Kallman, R. Robert 908 Hoffman Bldg., Detroit  
Kamin, Louis E. 4642 Second Blvd., Detroit  
Kaminski, Zeno L. 3504 24th St., Detroit  
Kamperman, George A. (L.) 1807 David Whitney Bldg., Detroit  
Kanter, Herman 13127 West Seven Mile Rd., Detroit  
Kapetansky, A. J. 1728 Clairmont, Detroit  
Kapetansky, N. J. 4790 W. Fort St., Detroit  
Kaplita, Walter A. 5087 Caniff, Hamtramck  
Kasabach, Harry Y. 728 Maccabees Bldg., Detroit  
Kasabach, V. Y. 523 Book Tower Bldg., Detroit  
Kasper, Joseph A. Bon Secour Hospital, Grosse Pointe  
Kaspor, Albert J. 1183 E. Grand Blvd., Detroit  
Kass, Arnold 1316 David Stott Bldg., Detroit  
Kass, J. B. 5892 Joseph Campau, Detroit  
Kaump, Donald H. Providence Hospital, Detroit  
Kauppinen, J. A. 15400 Plymouth Road, Detroit  
Kawecki, Lucian 5112 Oakman Blvd., Dearborn  
Kay, Edward W. 12004 Jos. Campau, Hamtramck  
Kazdan, Louis L. 1027 David Stott Bldg., Detroit  
Kazdan, Morris A. 4619 Allen, Allen Park  
Keane, William E. (L.) 1737 David Whitney Bldg., Detroit  
Keating, Thomas F. 18675 Gainsborough, Detroit  
Kehoe, Henry J. 15252 Gratiot, Detroit  
Keim, H. L. 1110 David Broderick Tower, Detroit  
Keith, Kelly 106 West Davison, Detroit  
Kelley, Frank James 3919 John R. St., Detroit  
Kelmenson, Victor A. 7356 12th St., Detroit  
Kelson, Malcolm J. 119 Kercheval, Detroit  
Kemler, Walter J. 4045 W. Jefferson, Ecorse  
Kennary, James M. 4900 Cadieux Road, Detroit  
Kennedy, Chas S. 10 Peterboro, Detroit  
Kennedy, Donald J. 1220 Livernois, Detroit  
Kennedy, Robert B. 2108 David Broderick Tower, Detroit  
Kennedy, William Y. 10 Peterboro, Detroit  
Kenning, John C. (A.) 526 N. Crescent Dr., Beverly Hills, Calif.  
Kennon, Warren S. 1103 Kales Bldg., Detroit  
Kernkamp, Ralph F. 1204 Broderick Tower, Detroit  
Kernick, M. O. 13700 Woodward Ave., Detroit  
Kersten, Werner 3100 Gratiot, Detroit  
Kerzman, Joseph H. 850 Maccabees Bldg., Detroit  
Keshishian, Sarkis K. 13544 Woodward Ave., Detroit

Keyes, Eugene Charles 4840 Maple St., Dearborn  
Keyes, John W. Henry Ford Hospital, Detroit  
Kibzey, Ambrose T. 4651 Braden, Detroit  
Killins, Charles G. 7850 E. Jefferson Ave., Detroit  
Kimberlin, Kenneth K. 16101 Harper, Detroit  
King, Edward D. 5455 W. Vernor Highway, Detroit  
King, Melbourne J. 5455 W. Vernor Highway, Detroit  
Kingsley, Joyce W., Jr. 2201 E. Jefferson, Detroit  
Kingswood, Roy C. 90 E. Warren Ave., Detroit  
Kinsley, George 909 Kales Bldg., Detroit  
Kirschbaum, Harry M. 1104 Maccabees Bldg., Detroit  
Kitzniller, John L. 1066 Fisher Bldg., Detroit  
Klebba, Paul A. 161 Grixdale, Detroit  
Klein, Alfred 13000 Grand River Ave., Detroit  
Klein, Howard A. 1838 David Whitney Bldg., Detroit  
Klein, Sander P. 1312 David Broderick Tower, Detroit  
Klein, William 18040 Mendota, Detroit  
Kleinman, S. 2909 W. Grand Blvd., Detroit  
Kliger, David 7756 Southfield, Detroit  
Kline, J. R. 932 Washington Blvd., Grosse Pointe  
Kline, S. L. 804 N. Rademacher, Detroit  
Klosowski, Joseph 8222 E. Outer Drive, Detroit  
Knaggs, Charles W. (L.) 1209 Yorkshire, Grosse Pointe  
Knaggs, Earl J. 3164 Biddle, Wyandotte  
Knapp, Byron S. 10909 W. Jefferson, River Rouge  
Knapp, Floyd B. 16565 Birwood, Detroit  
Knobloch, Edmund J. 5933 Chene, Detroit  
Knoch, Hubert S. 14149 E. Jefferson, Detroit  
Knox, Ross M. 9 Salliotte, Ecorse  
Koch, John C. 1053 Iroquois, Detroit  
Koebel, R. H. 14504 Mack Avenue, Detroit  
Koerber, Edward J. 4876 Lakeview Ave., Detroit  
Koessler, George L. (L.) 1475 Junction Ave., Detroit  
Kogut, C. S. 10542 Finkell, Detroit  
Kokowicz, Raymond J. 1056 Maccabees Bldg., Detroit  
Kolasa, W. B. 1910 E. Grand Blvd., Detroit  
Kopel, Joseph O. 10 Peterboro, Detroit  
Koren, Louis 1214 Griswold St., Rm. 610, Detroit  
Koschnitzke, Herman K. 2900 S. Fort, Detroit  
Kossayda, Adam W. 5605 Michigan Ave., Detroit  
Koster, Koert 1001 Merton Road, Detroit  
Kovach, Emerv P. 14149 E. Jefferson, Detroit  
Kozlinski, Anthony E. 5359 Chene, Detroit  
Kozlow, Louise E. Ange 863 Fisher Bldg., Detroit  
Kovan, D. D. 16965 Hamilton, Highland Park  
Koven, Abraham 10 Peterboro, Detroit  
Kraft, Raymond B. 9300 Mack Ave., Detroit  
Kraft, Ruth M. 972 Fisher Bldg., Detroit  
Krass, Edward W. 11088 Gratiot Ave., Detroit  
Kraus, John J. 16840 E. Warren, Detroit  
Krebs, William T. 16419 E. Warren, Detroit  
Kreinbring, George E. 4229 Mt. Elliott, Detroit  
Kretschmar, John C. 535 E. Grand Blvd., Detroit  
Krieg, Earl G. 1842 David Whitney Bldg., Detroit  
Krieger, Harley L. 11390 Strathmore, Detroit  
Kritchman, M. J. 2314 David Broderick Tower, Detroit  
Kroha, Lawrence A. 15124 Karcheval, Detroit  
Krohn, Albert H. 5137 Second Ave., Detroit  
Kruidenier, Bastian 9964 Gratiot Ave., Detroit  
Krvnicki, Francis X. 1044 Maccabees Bldg., Detroit  
Kubaneck, Joseph L. 23134 Myrtle St., Dearborn  
Kucmierz, Francis S. 12181 Joseph Campau, Detroit  
Kuhn, Albert Arthur 90 E. Warren, Detroit  
Kuhn, Richard F. 1700 Junction, Detroit  
Kulaski, Chester H. 9309 Joseph Campau, Detroit  
Kullman, Harold J. Veterans Administration Hosp., Dearborn  
Kurcz, Joseph A. 7433 Michigan, Detroit  
Kurtz, Harry C. 504 Doctors Bldg., Detroit  
Kurtz, I. J. 503 Fox Theater Bldg., Detroit  
Kurtz, Leonard D. 2208 Broderick Tower, Detroit  
Kwasiborski, Stanley A. 2300 Oak St., Wyandotte  
LaBerge, James M. 114 Maple St., Wyandotte  
LaBine, Alfred C. 8-259 General Motors Bldg., Detroit  
La Ferte, Alfred D. 1401 David Whitney Bldg., Detroit  
Lake, R. C. 10700 Balbour Road, Detroit  
Lakoff, Charles 5057 Woodward, Detroit  
Lam, Conrad R. Henry Ford Hospital, Detroit  
Lamberson, Frank A. 19001 Grand River, Detroit  
Lammy, James V. 644 Maccabees Bldg., Detroit  
Lammman, H. H. 675 Fisher Bldg., Detroit  
Landers, Maurice B., Sr. 950 David Whitney Bldg., Detroit  
Lang, E. F. Harper Hospital, Detroit  
Lang, Leonard W. 17400 Schaefer, Detroit  
Lange, Anthony H. 364 E. Grand Blvd., Detroit  
Lange, William A. 3919 John R., Detroit  
Langston, H. T. 18854 Gainsborough, Detroit  
Lanig, George M. 1217 David Whitney Bldg., Detroit  
Lansky, Mandell 2577 Van Dyke, Detroit  
Lapham, Fred E. 12583 Livernois, Detroit  
Large, A. M. 1410 Kales Bldg., Detroit  
Larned, Richard I. 14160 Gratiot, Detroit  
Lasichak, Andrew G. 908 Kales Bldg., Detroit  
Lasley, James William 1026 Maccabees Bldg., Detroit  
Lathrop, Philip L. 415 Book Bldg., Detroit  
Latteier, Karl K. 10 Peterboro, Detroit  
Lauppe, Edward H. 1650 David Whitney Bldg., Detroit  
Lauppe, Frederick A. 1801 David Whitney Bldg., Detroit  
Laurisin, Eugene 5290 W. Chicago, Detroit  
Lazar, Morton R. 3008 David Stott Bldg., Detroit  
Leach, David 865 Fisher Bldg., Detroit  
Leacock, R. C. 10619 E. Jefferson, Detroit  
Leader, Luther R. 1129 David Whitney Bldg., Detroit  
Leaver, L. Ross 757 Lakewood, Detroit

# ROSTER

Lebamoff, Alexander T.	6586 Allen, Allen Park	MacQueen, Malcolm D.	1654 1st National Bank Bldg., Detroit
Leckie, George C.	1355 David Whitney Bldg., Detroit	Maczewski, John E.	9535 Joseph Campau, Detroit
Lecklider, A. F.	Fisher Body Div., Piquette & St. Antoine, Detroit	Magnell, Ralph C.	8825 Puritan, Detroit
Lee, Harry E.	9247 Mack Ave., Detroit	Maguire, Clarence E.	536 David Whitney Bldg., Detroit
LeGallee, George M.	18520 W. Seven Mile Road, Detroit	Mahoney, Hugh M.	214 David Whitney Bldg., Detroit
Leibinger, Henry R.	511 Barrington Road, Grosse Pointe	Maibauer, Frederick P.	2966 Biddle, Wyandotte
Leipsitz, Louis S.	3566 Cass, Detroit	Maino, Linus J.	2501 W. Grand Blvd., Detroit
Leiser, Rudolf.	Wayne Co. General Hosp., Eloise	Maire, Edward D.	15224 E. Jefferson, Grosse Pointe
Leith, Dorothy L.	1115 Spencer Road, Brighton	Mair, Harold U.	10 Peterboro, Detroit
Leithauser, Daniel J.	14727 E. Jefferson, Detroit	Malcomson, Joseph.	16861 Wyoming, Detroit
Leland, Sol.	4725 14th St., Detroit	Malik, Edward A.	11302 Chalmers, Detroit
Lemley, Clark.	533 Fisher Bldg., Detroit	Malik, Nur M.	585 E. Grand Blvd., Detroit
Lemon, Bruce K.	716 Kales Bldg., Detroit	Malina, Stephen.	15126 Heyden, Detroit
Lemmer, J. A.	9300 Mack Avenue, Detroit	Malone, Richard.	8445 E. Jefferson, Detroit
Lemmon, Charles E.	1337 David Whitney Bldg., Detroit	Maloney, John A.	1338 Maccabees Bldg., Detroit
Lemmon, Clarence W.	10537 W. Jefferson, River Rouge	Maltzer, Joseph H.	14306 Gratiot Avenue, Detroit
Lentine, James, J.	3485 Audubon, Detroit	Mancuso, Vincent S.	1058 E. Grand Blvd., Detroit
Lenz, Willard R.	418 Moran Road, Grosse Pointe	Manning, Morey H.	824 E. State Fair, Detroit
Leopard, C. W.	1025 David Whitney Bldg., Detroit	Manwaring, John T.	Vets. Admin. 312 E. Jefferson, Detroit
Lepley, Fred O.	13302 Kercheval, Detroit	Maples, D. E.	402 Center St., North Muskegon
Lerman, S. E.	23700 Van Dyke, Centerline	Marotte, Oliver.	2890 W. Grand Blvd., Detroit
Lescotier, Alex W.	663 University Place, Grosse Pointe	Marcus, Daniel B.	1122 Maccabees Bldg., Detroit
Leszynski, J. S.	517 Professional Bldg., Peterboro & Woodward, Detroit	Marinus, Carleton J.	303 David Whitney Bldg., Detroit
Leucutia, Traian.	Harper Hospital, Detroit	Mark, Jerome.	903 Kales Bldg., Detroit
Levagood, Floyd.	14056 Artesian, Detroit	Markey, Alexander P.	13810 Michigan Ave., Dearborn
Levant, Arthur B.	14828 E. Warren, Detroit	Markoe, Rupert C. L.	4102 Brush St., Detroit
Levin, David M.	8819 Dexter Blvd., Detroit	Marks, Ben.	902 Industrial Bank Bldg., Detroit
Levin, Herbert G.	17300 Schaefer, Detroit	Marks, Bert.	20048 Mark Twain, Detroit
Levin, Manuel.	19449 Meyers Road, Detroit	Marks, Morris.	12739 Puritan, Detroit
Levin, Michael M.	616 Maccabees Bldg., Detroit	Marsden, T. B.	2460 Edison, Detroit
Levin, Samuel J.	469 Fisher Bldg., Detroit	Marsh, Alton R.	1218 Maccabees Bldg., Detroit
Levine, Sydney S.	8233 W. Chicago, Detroit	Marshall, James R.	14528 E. Jefferson, Detroit
Levitt, Edward J.	840 Maccabees Bldg., Detroit	Martin, Elbert A.	1151 David Whitney Bldg., Detroit
Levitt, Irving.	19214 Santa Barbara, Detroit	Martin, J. B., Jr.	449 E. Elizabeth, Detroit
Levitt, Nathan.	607 Kales Bldg., Detroit	Martin, L. R.	2000 Second Blvd., Detroit
Levy, David.	Harper Hospital, Detroit	Martin, Peter A.	17185 Muirland, Detroit
Levy, Marvin B.	13906 Woodward, Detroit	Martin, R. M.	12115 Manor Ave., Detroit
Lewin, Harry.	2539 Woodward, Detroit	Martineau, P. C.	1151 Taylor Ave., Detroit
Lewis, Charles T.	5050 Joy Road, Detroit	Martinez, Pedro O.	1439 Bagley, Detroit
Lewis, J. Hugh.	2956 Biddle, Wyandotte	Martmer, Edgar E.	326 Profession Bldg., Woodward at Peterboro, Detroit
Lewis, L. A.	2730 E. Jefferson, Detroit	Marwil, T. B.	16965 Hamilton, Highland Park
Lewis, Wilfred J.	10 Peterboro, Detroit	Mason, Percy W.	13311 E. Jefferson, Detroit
Libbrecht, Robert V.	6540 Park, Allen Park	Mateer, John G.	Henry Ford Hospital, Detroit
Lichter, M. L.	2900 Oakwood, Melvindale	Mathes, Charles J.	8203 Twelfth St., Detroit
Lichtwardt, Hartman A.	432 Hancock Ave. E., Detroit	Mattson, Theodore.	3919 John R, Detroit
Liddicoat, A. G.	20521 Fenkel, Detroit	Maun, Mark E.	1551 David Whitney Bldg., Detroit
Lieberman, B. L.	1509 Holden, Detroit	Maxwell, J. Harvey.	2415 W. Grand Blvd., Detroit
Lightbody, James J.	501 David Whitney Bldg., Detroit	May, Earl W. (A).	Star Rte., East Grand Lake, Alpena
Lignell, Rudolph W.	16259 James Couzens Hwy., Detroit	May, Frederick T., Jr.	608 Kales Bldg., Detroit
Lilly, Charles J.	2950 Puritan Ave., Detroit	Mayer, E. V.	16525 Woodward Ave., Detroit
Linkner, Leonard.	738 Maccabees Building, Detroit	Mayer, Willard D.	510 Kales Bldg., Detroit
Linn, H. J.	Veterans Hospital, Dearborn	Maynard, Fred M.	6525 Park, Allen Park
Linton, James R.	Wayne Co. General Hospital, Eloise	McAfee, F. W.	6828 Vinewood Ave., Detroit
Lipinski, Stanley L.	7540 Michigan Ave., Detroit	McAlonan, William T.	10 Peterboro, Detroit
Lipton, Raymond F.	10 Peterboro, Detroit	McAlpine, Gordon S.	658 Fisher Bldg., Detroit
Lipkin, Ezra.	4836 Michigan, Detroit	McBroom, Russell E.	10 Peterboro, Detroit
Lipschutz, Louis S.	4741 Fullerton Ave., Detroit	McCadie, James.	13700 Woodward, Detroit
Littlejohn, David.	23021 Lodge Lane, Dearborn	McCain, French H.	970 Fisher Bldg., Detroit
Litsky, Abraham.	1183 E. Grand Blvd., Detroit	McClellan, Robert J.	906-8 Michigan Theatre Bldg., Detroit
Lockwood, Bruce C.	723 David Whitney Bldg., Detroit	McClellan, Robert J., II.	906-8 Michigan Theatre Bldg., Detroit
Lofstrom, James E.	410 Kales Bldg., Detroit	McClelland, Rachel.	461 Fisher Bldg., Detroit
Long, Earle C.	2626 Rochester, Detroit	McClendon, James J.	503 E. Warren, Detroit
Long, John J.	12421 Monica, Detroit	McClintock, J. J.	14255 Greenfield, Detroit
Longo, Salvatore.	St. Mary's Hospital, Detroit	McClure, Robert W.	1306 David Whitney Bldg., Detroit
Longyear, Harold W.	706 Maccabees Bldg., Detroit	McClure, William R.	954 Fisher Bldg., Detroit
Lookanoff, V. A.	17145 Fairfield, Detroit	McColl, Charles W.	2826 Biddle, Wyandotte
Loranger, C. B.	20825 Mack, Detroit	McColl, Clarke M.	Henry Ford Hospital, Detroit
Loranger, Guy L.	250 Rayson St., Northville	McColl, Kenneth M.	18520 E. Warren, Detroit
Lorber, Joseph H.	4255 Cortland, Detroit	McCollum, E. B.	761 David Whitney Bldg., Detroit
Lorentzen, Edwin H.	11702 Grand River, Detroit	McCord, Carey P.	10 Peterboro, Detroit
Love, W. Thomas.	231 E. Warren, Detroit	McCormick, Colin C.	222 Shaefer Bldg., Dearborn
Lowe, Adolf W.	3338 W. Davison, Detroit	McCullough, Lester E.	208 David Whitney Bldg., Detroit
Lowe, Townsend.	9430 Oakland, Detroit	McDonald, Angus L.	13856 Gratiot Ave., Detroit
Lowrie, William L., Jr.	Henry Ford Hospital, Detroit	McDonald, G. O.	13387 S. Norfolk St., Detroit
Lowry, George L.	11601 E. Jefferson, Detroit	McDougall, Bernard W.	16190 James Couzens Hwy., Detroit
Lublin, Ann.	18472 Whitcomb, Detroit	McDowell, Douglas B.	Wayne County Gen'l Hosp., Eloise
Luce, Henry A.	629 David Whitney Bldg., Detroit	McEvitt, William G.	1713 David Whitney Bldg., Detroit
Lukas, John R.	7068 Michigan, Detroit	McFadyen, Hugh A.	10 Peterboro, Detroit
Lumpkin, John G., Jr.	243 East Warren, Detroit	McGarvah, A. W.	7310 Grand River Ave., Detroit
Lutz, Earl F.	13-204 General Motors Bldg., Detroit	McGarvah, Jos. A.	7310 Grand River, Detroit
Lyford, John.	Henry Ford Hospital, Detroit	McGhee, Richard S.	20254 Northlawn, Detroit
Lynn, David H.	2900 S. Fort St., Detroit	McGillicuddy, Walter E.	511 Kales Bldg., Detroit
Lynn, Harvey D.	2900 South Fort St., Detroit	McGinnis, Daniel H.	13243 West McNichols Road, Detroit
Lyons, James H.	Wayne Co. General Hospital, Eloise	McGlaughlin, Nicholas D.	2312 Biddle Ave., Wyandotte
Lyons, William Harrington.	1012 Kales Bldg., Detroit	McGough, Joseph M.	14202 Fenkel Ave., Detroit
Lytle, Robert P.	1069 Fisher Bldg., Detroit	McGraw, Arthur B.	Henry Ford Hospital, Detroit
Maben, Hayward C., Jr.	9342 Oakland, Detroit	McGuire, M. Ruth.	763 Fisher Bldg., Detroit
Mabley, J. Donald.	1139 David Whitney Bldg., Detroit	McIntosh, W. V.	276 Tyler, Detroit
MacArthur, Robert A.	95 Martin Place, Detroit	McIntyre, W. B.	1533 David Whitney Bldg., Detroit
MacCracken, Frances L.	3752 Gladstone, Detroit	McKean, G. Thomas.	1515 David Whitney Bldg., Detroit
MacDougall, O. P.	13700 Woodward, Detroit	McKean, Richard M.	1515 David Whitney Bldg., Detroit
MacFarlane, Howard M.	1105 David Whitney Bldg., Detroit	McKeever, G. E.	15880 Greenlawn, Detroit
MacGregor, William W.	1904 David Broderick Tower, Detroit	McKenna, Charles J.	1130 E. Grand Blvd., Detroit
Mack, Harold C.	955 Fisher Bldg., Detroit	McKinley, Donald.	Harper Hospital, Detroit
MacKenzie, Earle D.	81 E. Kirby, Detroit	McKinnon, John D.	106 W. Davison, Detroit
MacKenzie, Edward P.	12801 E. Jefferson, Detroit	McKnight, Robert E.	17198 Oak Drive, Detroit
MacKenzie, Frank M.	641 David Whitney Bldg., Detroit	McLane, Harriet E.	4350 Oregon, Detroit
MacKenzie, John W.	289 Rivard Blvd., Grosse Pointe	McLean, Don W.	1066 Fisher Bldg., Detroit
Mackenzie, W. G.	18205 Roselawn, Detroit	McLean, Harold G.	10 Peterboro, Detroit
MacMillan, Francis B.	920 David Whitney Bldg., Detroit	McPherson, R. J.	12626 Meyers Road, Detroit
MacMullen, Frank B.	1429 David Whitney Bldg., Detroit	McQuiggin, Mark R.	1050 Fisher Bldg., Detroit
MacPherson, K. C.	8100 E. Jefferson, Detroit	McRae, Donald H.	275 W. Grand Blvd., Detroit

# ROSTER

Meek, S. F. 13020 Kilbourne, Detroit  
Meinecke, Helmuth A. 1912 David Broderick Tower, Detroit  
Mellen, Hyman S. 622 Maccabees Bldg., Detroit  
Menagh, Frank R. Henry Ford Hospital, Detroit  
Mendelsohn, R. J. 14427 Mack, Detroit  
Merkel, Charles C. 85 Kercheval, Grosse Pointe  
Merrill, William O. 958 Fisher Bldg., Detroit  
Merritt, Earl G. 10 Peterboro, Detroit  
Mersky, Charlotte I. 5050 Cass Ave., Detroit  
Metes, John S. 15252 Gratiot, Detroit  
Metzger, Harry C. 76 W. Adams, Detroit  
Meyers, Maurice P. 2204 David Broderick Tower, Detroit  
Meyer, Reuben 938 Maccabees Bldg., Detroit  
Meyers, Sidney 19635 Mack Ave., Detroit  
Meyers, Solomon G. 1320 Maccabees Bldg., Detroit  
Michels, Julius 9424 Mack Ave., Detroit  
Mihay, Benjamin 13349 Michigan Ave., Dearborn  
Miley, H. H. 8710 W. Davison, Detroit  
Millard, Glenn E. 2900 W. Grand Blvd., Detroit  
Miller, Daniel H. 8011 W. Vernor Highway, Detroit  
Miller, Elmer B. 10 Peterboro, Detroit  
Miller, Karl L. 1101 David Whitney Bldg., Detroit  
Miller, M. M. 902 Balfour Road, Grosse Pointe  
Miller, Myron H. 8120 W. McNichols Road, Detroit  
Miller, Robert B. 8445 E. Jefferson, Detroit  
Miller, Thomas H. 1305 David Whitney Bldg., Detroit  
Miller, William Ernest 10 Peterboro, Detroit  
Mills, Clinton C. 16190 James Couzens Highway, Detroit  
Mills, G. V. 555 Clinton St., Detroit  
Mintz, Edward I. 3008 David Stott Bldg., Detroit  
Mintz, Morris J. 16895 Livernois, Detroit  
Miral, Solomon P. 4858 E. Davison, Detroit  
Mishelevich, Sophie 3008 W. Grand Blvd., Detroit  
Mitchell, Augustus W. 314 Visger Road, River Rouge  
Mitchell, C. Leslie Henry Ford Hospital, Detroit  
Mitchell, D. P. 7741 John R. Street, Detroit  
Mitchell, Gertrude F. 650 W. Bethune, Detroit  
Mitchell, Ralston S. 243 E. Warren, Detroit  
Mitchell, W. B. 2245 N. LaSalle Gardens, Detroit  
Moehlig, Robert C. 964 Fisher Bldg., Detroit  
Moisides, V. P. 1205 Stroh Bldg., Detroit  
Mogill, George 3150 Second Ave., Detroit  
Moi, Clarence D. 10 Peterboro, Detroit  
Molnar, S. K. 5635 S. Telegraph, Dearborn  
Molner, Joseph G. 334 Bates St., Detroit  
Mond, Edward 1812 David Broderick Tower, Detroit  
Monfort, Willard (E) 39 Waverly Ave., Highland Park  
Monson, Robert C. 16404 E. Warren, Detroit  
Montante, Joseph R. 14103 Fenkel, Detroit  
Montgomery, John C. 773 Fisher Bldg., Detroit  
Monto, Raymond Henry Ford Hospital, Detroit  
Mopper, Coleman 302 Campau-Holbrook Bldg., Hamtramck  
Morand, Louis J. 641 David Whitney Bldg., Detroit  
Morgan, Donald N. 1807 David Whitney Bldg., Detroit  
Moriarty, George 770 Fisher Bldg., Detroit  
Morin, J. B. (L) 14416 Buch Road, Detroit  
Moritz, H. C. 1053 David Whitney Bldg., Detroit  
Morley, Harold V. 205 Professional Bldg., Detroit  
Morley, James A. 10520 Plymouth Ave., Detroit  
Moroun, S. J. 8045 E. Jefferson, Detroit  
Morris, Harold L. 1069 Fisher Bldg., Detroit  
Morse, Plinn F. Harper Hospital, Detroit  
Morton, David G. 16901 W. McNichols, Detroit  
Morton, John B. (E) 90 E. Warren, Detroit  
Mosce, W. Jones 5205 Hastings, Detroit  
Mosen, Max M. 8015 Harper, Detroit  
Moss, Ervin B. 1907 Pingree, Detroit  
Moss, Nathan H. 2847 Trumbull, Detroit  
Moss, Selma S. 469 Fisher Bldg., Detroit  
Mossman, J. D. 1052 Maccabees Bldg., Detroit  
Mott, Carlin P. 2395 W. Grand Blvd., Detroit  
Muellenhagen, Walter J. 603 Boulevard Bldg., Detroit  
Munson, Henry T. 14344 E. Jefferson, Detroit  
Murphy, D. J. 10 Peterboro, Detroit  
Murphy, E. J. 9310 12th St., Detroit  
Murphy, John M. 710 David Whitney Bldg., Detroit  
Murphy, Robert C. 1512 St. Antoine, Detroit  
Murphy, Robert T. 113 Martin Place, Detroit  
Murphy, Scipio G. 603 E. Forest, Detroit  
Murphy, Thomas L. Henry Ford Hospital, Detroit  
Murphy, W. M. 10500 Warren East, Detroit  
Murray, William A. 11841 Ohio Ave., Detroit  
Muske, Paul H. 5605 Michigan Ave., Detroit  
Musselman, Merle M. Wayne County General Hospital, Dept. of Surgery, Eloise  
Myers, D. W. 224 Professional Bldg., Detroit  
Myers, Gordon B. 1512 St. Antoine, Detroit  
Nagle, John W. 114 Maple, Wyandotte  
Nahigan, Russell 8830 W. McNichols Road, Detroit  
Nahoum, Antoine 2201 E. Jefferson, Detroit  
Naud, Henry J. 18456 Grand River Ave., Detroit  
Naylor, A. H. 10033 Tireman, Dearborn  
Naylor, Archibald E. 10 Peterboro, Detroit  
Neeb, Walter G. 16840 E. Warren, Detroit  
Neill, Edwin J. 8045 E. Jefferson, Detroit  
Nelson, Darwin M. 153 W. Grand Blvd., Detroit  
Nelson, Harry M. 1067 Fisher Bldg., Detroit  
Nelson, Victor E. 7345 Fenkel, Detroit  
Newbarr, Arthur A. 1060 Fisher Bldg., Detroit  
Newman, M. K. 16861 Wyoming Ave., Detroit  
Nichamin, Samuel J. 672 Maccabees Bldg., Detroit  
Nickels, Albert W. 471 Fisher Bldg., Detroit

Nickerson, I. Dean 604 Med. Arts Bldg., 13700 Woodward, Detroit  
Nielsen, Aage E. 10 Peterboro, Detroit  
Nigro, Norman D. 10 Peterboro, Detroit  
Nill, John B. 6030 Grandy, Detroit  
Nill, William F. 6030 Grandy, Detroit  
Noble, William C. 4045 W. Jefferson, Ecorse  
Noer, Rudolf J. 1512 St. Antoine, Detroit  
Nolan, Bernard E. 932 Maccabees Bldg., Detroit  
Nolte, E. C. 3919 John R., Detroit  
Nolting, Wilfred S. 16840 E. Warren, Detroit  
Norconk, A. A. 859 Fisher Bldg., Detroit  
Norcott, Edith Slipson 8909 E. Jefferson, Detroit  
Norris, Edgar H. 607 Lakepointe, Grosse Pointe  
Northrop, Arthur K., Sr. (E) 17565 Strathmoor Ave., Detroit  
Norton, A. B. 1076 Maccabees Bldg., Detroit  
Norton, Charles S. 3503 14th St., Detroit  
Novy, R. L. 858 Fisher Bldg., Detroit  
Nowicki, Joseph A. 3841 Junction, Detroit  
Nunn, James W. 106 W. Davison, Detroit  
O'Brien, E. J. 307 David Whitney Bldg., Detroit  
O'Brien, G. M. 2501 West Grand Blvd., Detroit  
O'Donnell, Charles H. 323 N.Y.C. Terminal, Detroit  
O'Donnell, David H. (E) 2501 W. Grand Blvd., Detroit  
O'Donnell, Dayton H., Jr. 2501 W. Grand Blvd., Detroit  
Oetting, E. M. 8045 E. Jefferson, Detroit  
Ohmart, Galen B. 8721 E. Jefferson, Detroit  
Ohrt, Harold F. 285 E. Grand Blvd., Detroit  
Okun, Milton H. 3261 Sherbourne Road, Detroit  
Olen, Alex. 13100 Harper, Detroit  
O'Linn, Francis P. 1055 Fisher Bldg., Detroit  
Olmed, George 1060 Fisher Bldg., Detroit  
Olmed, William R. (L) 219 Broadway Mkt. Bldg., Detroit  
Olson, James A. Henry Ford Hospital, Detroit  
Oman, Cyrus F. 12608 Wyoming Ave., Detroit  
Oppenheim, J. M. 506 Kales Bldg., Detroit  
Orecklin, Leo 914 Maccabees Bldg., Detroit  
Organ, Fred W. 10304 Woodward Ave., Detroit  
Ormond, John K. Henry Ford Hospital, Detroit  
O'Rourke, Paul V. 307 David Whitney Bldg., Detroit  
O'Rourke, R. M. 7384 Twelfth St., Detroit  
Osus, Eugene A. 901 David Whitney Bldg., Detroit  
Ott, Harold A. 706 Maccabees Bldg., Detroit  
Ottaway, John P. 1337 David Whitney Bldg., Detroit  
Owen, Clarence I. 4160 John R., Detroit  
Owen, James A. 67 E. Forest, Detroit  
Palmer, Alice E. 3919 John R., Detroit  
Palmer, R. J. (E) 1466 Chicago Blvd., Detroit  
Palevich, Matthew 8733 Joseph Campau, Detroit  
Pangburn, L. E. 7 Avalon, Detroit  
Panic, Stephen M. 3341 E. Davison, Detroit  
Parker, Benjamin R. 17306 W. 7 Mile Road, Detroit  
Parker, Walter R. (E) 1025 David Whitney Bldg., Detroit  
Parr, Robert W. 8-265 General Motors Bldg., Detroit  
Parsons, John P. 808 Grand Marais, Grosse Pointe Park  
Pasternacki, Robert T. 6203 Chene, Detroit  
Paterson, Walter G. (L) 471 Fisher Bldg., Detroit  
Pawlowski, Jerome 2009 East Grand, Detroit  
Payne, Eugene Box 118, Roosevelt Park Annex, Detroit  
Paysner, Harry A. 13700 Woodward Ave., Detroit  
Peabody, Charles W. 474 Fisher Bldg., Detroit  
Pearce, Arthur U. Wayne Co. General Hospital, Eloise  
Pearman, Charles L. R. 1509 Kales Bldg., Detroit  
Pearse, Harry A. 852 Fisher Bldg., Detroit  
Peeble-Meyers, Marjorie 5320 John R., Detroit  
Peggs, George F. 5419 Livernois, Detroit  
Penberthy, G. C. 1515 David Whitney Bldg., Detroit  
Pendy, George V. 1808 David Whitney Bldg., Detroit  
Pendy, John M. 1401 David Whitney Bldg., Detroit  
Pensler, Leslie 8844 Joy Road, Detroit  
Pensler, Meyer 8844 Joy Rd., Detroit  
Pequegnot, Charles F. (L) 6283 W. Outer Drive, Detroit  
Perdue, Grace M. 762-63 Fisher Bldg., Detroit  
Perkin, Frank S. 970 Fisher Bldg., Detroit  
Perlis, H. L. 1036 Maccabees Bldg., Detroit  
Petersman, Earl A. 801-2 Medical Arts Bldg., Highland Park  
Petix, Samuel C. 19207 Schaefer, Detroit  
Petoskey, Edward A. 6004 West Fort, Detroit  
Pfeiffer, Rudolph L. 469 E. Grand Blvd., Detroit  
Picard, John D. 13349 Michigan Ave., Dearborn  
Piccone, Louisa 10605 W. Warren, East Dearborn  
Pichette, J. Walton 15146 Michigan Ave., Dearborn  
Pickard, Orlando W. 952 Fisher Bldg., Detroit  
Pierce, Frank L. 9262 Grand River Ave., Detroit  
Pierson, Max J. 1030 Maccabees Bldg., Detroit  
Pietraszewski, A. W. 10338 Jos. Campau, Detroit  
Pinckard, Karl G. 932 Mason St., Dearborn  
Pink, Rose M. 11413 Jos. Campau, Detroit  
Pinney, L. J. 28 W. Adams Ave., Detroit  
Pino, Ralph H. 208 David Whitney Bldg., Detroit  
Piner, Clark C. 16180 Woodward Ave., Detroit  
Piper, Ralph R. 1530 McKinstry Ave., Detroit  
Pittman, J. E. 1613 David Whitney Bldg., Detroit  
Plaggemeyer, H. W. 1701 David Whitney Bldg., Detroit  
Platz, Carol K. 11368 Kelly Road, Detroit  
Pliskow, Harold 1022 Maccabees Bldg., Detroit  
Podewza, J. W. 9300 Joseph Campau, Detroit  
Podolsky, Harold M. 2785 S. Fort, Detroit  
Poirier, Ralph A. 1405 Stroh Bldg., Detroit  
Polentz, Charles 10 Peterboro, Detroit  
Pollack, John J. 18200 Wyoming Ave., Detroit  
Pool, Walter D. 14320 E. Jefferson, Detroit  
Poos, Edgar E. 554 Fisher Bldg., Detroit

# ROSTER

Porretta, Anthony C.	11146 Gratiot, Detroit	Rosenbaum, Herbert	19776 Snowden Ave., Detroit
Porretta, F. S.	1076 Maccabees Bldg., Detroit	Rosenbloom, Alvin B.	Wayne Co. General Hospital, Eloise
Porter, Howard J.	36911 Goddard Road, Romulus	Rosenthal, Louis H.	1318 Maccabees Bldg., Detroit
Posch, J. L.	1410 Kales Bldg., Detroit	Rosenthal, Samuel	16350 Hamilton, Detroit
Posner, Irving	12901 W. 7 Mile Road, Detroit	Rosenwach, Felix F.	20429 W. Seven Mile Road, Detroit
Pratt, Jean P.	18910 Fairway Drive, Detroit	Rosenzweig, Saul	2114 David Broderick Tower, Detroit
Pratt, Lawrence A.	Doctors Bldg., Suite 800, 3919 John R, Detroit	Ross, Ben C.	4493 14th Street, Detroit
Prendergast, John J.	341 Massachusetts Ave., Detroit	Ross, Donald G.	654 St. Clair at Kercheval, Grosse Pointe
Priborsky, Benjamin H.	742 Maccabees Bldg., Detroit	Ross, Hymen	19149 Joy Road, Detroit
Price, Alvin Edwin	313 David Whitney Bldg., Detroit	Rotarius, E. M.	5800 Courville, Detroit
Price, A. Hazen	62 W. Kirby, Detroit	Roth, Edward T.	640 E. Grand Blvd., Detroit
Priddle, Harold	1512 St. Antoine, Detroit	Roth, Theodore I.	60 W. Hancock, Detroit
Priest, R. J.	Henry Ford Hospital, Detroit	Rothbart, Harold B.	773 Fisher Bldg., Detroit
Procailo, Alexander B.	13530 Michigan Ave., Dearborn	Rothman, Emil D.	722 Maccabees Bldg., Detroit
Proctor, Bruce	1419 David Whitney Bldg., Detroit	Rothman, H. R.	20171 Canterbury, Detroit
Proud, Robert H.	26151 Huron River Drive, Flat Rock	Rottenberg, Leon	13419 Fenkell, Detroit
Pugh, Howard	1165 David Whitney Bldg., Detroit	Rowda, Michael S.	2001 E. Grand Blvd., Detroit
Pugh, Richard	212-214 Schaefer Bldg., Dearborn	Rucker, Julian J.	668 Farnsworth Ave., Detroit
Pugliesi, Benedetto	2650 Arndt St., Detroit	Ruedemann, A. D.	1633 David Whitney Bldg., Detroit
Purcell, Frank H.	1808 David Broderick Tower, Detroit	Rueger, Milton J.	708 Kales Bldg., Detroit
Purves, William L.	18501 Snowden, Detroit	Rueger, Ralph C.	9149 E. Jefferson, Detroit
Quigley, Eugene	22340 Michigan, Dearborn	Runge, Edward F.	14 Abbot Lane, Dearborn
Quigley, William	742 Maccabees Building, Detroit	Rupprecht, Emil F.	5525 W. Chicago Blvd., Detroit
Quinn, Edward L.	Henry Ford Hospital, Detroit	Rush, Alva D.	341 Massachusetts Ave., Detroit
Rahm, Lambert P.	14411 E. Jefferson, Detroit	Ruskin, Samuel H.	1306 David Broderick Tower, Detroit
Raiford, Frank P.	1308 Broadway, Detroit	Russell, John C.	2934 Davidson St. E., Detroit
Raiford, Frank P., Jr.	1308 Broadway, Detroit	Rutzen, Arthur C.	871 Fisher Bldg., Detroit
Randall, David S.	7815 E. Jefferson, Detroit	Ryan, Charles F.	5837 W. Vernor Hwy., Detroit
Raskin, Morris	987 E. Jefferson, Detroit	Ryan, W. D.	5837 W. Vernor Hwy., Detroit
Rastello, Peter B.	6307 W. Fort St., Detroit	Ryzewski, Jos. B.	12170 Jos. Campau, Detroit
Ratigan, Carl S.	22276 Garrison, Dearborn	Ryerson, Frank L.	307 Fine Arts Bldg., Detroit
Rau, Frederick W.	113 Martin Place, Detroit	Ryerson, F. S.	28 W. Adams, Suite 802, Detroit
Raynor, Harold F.	1340 Maccabees Bldg., Detroit	Sack, Anthony G.	2567 W. Grand Blvd., Detroit
Reberdy, George J.	2080 W. McNichols Road, Detroit	Sa'di, Lutfi M.	525 Professional Bldg., Detroit
Rebuck, John W.	Henry Ford Hospital, Detroit	Sadler, Henry H., Jr.	1512 St. Antoine, Detroit
Reder, Ben	5290 W. Chicago, Detroit	Sage, Bernard A.	1013 Haigh, Dearborn
Redfern, William E.	Henry Ford Hospital, Detroit	Sage, Edward O. (E)	415 Burns Drive, Detroit
Reed, E. H. (A.)	1033 1/2 Cadieux Road, Grosse Pointe Park	Sage, Thomas	7815 E. Jefferson, Detroit
Reed, H. Walter	8150 Grand River Ave., Detroit	Sager, Edward L.	13902 Gratiot Ave., Detroit
Reed, Ivor E.	305 David Whitney Bldg., Detroit	St. Amour, Hector J.	9545 Grand River, Detroit
Rees, Howard C.	15700 Mack Ave., Detroit	St. Louis, R. J.	10909 W. Jefferson, River Rouge
Reichling, R. J., Jr.	18514 Mack, Grosse Pointe Farms	Sakorraphos, Stelios N.	1346 Broadway, Detroit
Reid, John Gilbert	1337 David Whitney Bldg., Detroit	Salchow, Paul T.	334 Bates St., Detroit
Reid, Wesley G.	974 Fisher Bldg., Detroit	Salisbury, C. S.	527 Professional Bldg., Detroit
Reiff, Morris V.	10241 Joy Road, Detroit	Salowich, John N.	15235 Harrison, Allen Park
Reinbolt, Charles A. (L)	33570 Quaker Valley Road, Farmington	Saltzstein, Harry C.	966 Fisher Bldg., Detroit
Reinsh, Ernest R.	18674 Muirland Ave., Detroit	Sand, Harry H.	2474 S. Telegraph, Dearborn
Reisman, Nathan J.	1122 Maccabees Bldg., Detroit	Sander, Irvin W.	5050 Cass Ave., Detroit
Reisman, S. G.	1078 Maccabees Bldg., Detroit	Sanders, Alex W.	920 Maccabees Bldg., Detroit
Rennell, Leo P.	2567 West Grand Blvd., Detroit	Sanderson, Alvord R.	978 Pemberton Road, Grosse Pointe Park
Renton, George W.	1530 Seward, Apt. 209, Detroit	Sanderson, Suzanne M.	The Sheraton Hotel, 15 E. Kirby Ave., Detroit
Reske, Alven A.	22177 Michigan Ave., Dearborn	Sandler, Nathaniel	1004 Kales Bldg., Detroit
Reveno, William S.	951 Fisher Bldg., Detroit	Sands, G. E.	12746 Broad St., Detroit
Rexford, W. K.	1314 David Whitney Bldg., Detroit	Sandweiss, D. J.	9739 Dexter Blvd., Detroit
Reyner, C. E.	Henry Ford Hospital, Detroit	Sapala, M. Andrew	6356 Michigan, Detroit
Reynolds, Lawrence	10 Peterboro, Detroit	Saraf, L. B.	14727 E. Jefferson, Detroit
Reynolds, R. P.	858 Fisher Bldg., Detroit	Sargent, William R.	727 Clairmont, Detroit
Rezanka, H. J.	920 David Whitney Bldg., Detroit	Sauk, John J.	640 Maccabees Bldg., Detroit
Rhoades, Francis P.	970 Maccabees Bldg., Detroit	Sauter, Simon H.	1082 E. Grand Blvd., Detroit
Rice, Harold B.	10 Peterboro, Detroit	Savignac, Eugene M.	4777 E. Outer Drive, Detroit
Rice, Meshel	2415 W. Grand Blvd., Detroit	Scarney, Herman D.	573 Fisher Bldg., Detroit
Richardson, Allan L.	651 Fisher Bldg., Detroit	Schaefer, R. L., Lt. USNR (M)	Box 686, Coco Solo, Canal Zone
Richardson, Robert P.	3714 Monroe Ave., Wayne	Schaefer, Robert L.	1204 Kales Bldg., Detroit
Rick, Paul J.	4227 Mt. Elliott, Detroit	Schaeffer, Martin	1404 David Broderick Tower, Detroit
Ridge, Ralph W.	114 Maple St., Wyandotte	Scheinberg, Schayel	966 Fisher Bldg., Detroit
Rieckoff, George G.	14905 E. Jefferson Ave., Detroit	Schembeck, I. S.	1655 David Whitney Bldg., Detroit
Rieden, J. A.	1737 David Whitney Bldg., Detroit	Schenden, Augustine J.	4001 Oakwood Blvd., Melvindale
Rieg, John F.	5695 W. Vernor Highway, Detroit	Schiller, A. E.	2008 David Broderick Tower, Detroit
Rieger, John B.	1265 David Whitney Bldg., Detroit	Schillinger, H. K.	4838 Neckel, Dearborn
Rieger, Mary H.	746 Pallister, Detroit	Schinagel, Geza	4400 Livernois, Detroit
Riethmiller, Robert	12400 E. 7 Mile Road, Detroit	Schirack, Ray D.	15850 E. Warren Ave., Detroit
Rinkel, Robert W.	6586 Allen Road, Allen Park	Schklöven, Norman	532 Maccabees Bldg., Detroit
Riseborough, E. C.	90 E. Warren, Detroit	Schlafer, Nathan H.	1806 David Broderick Tower, Detroit
Ritter, George	15319 Sorrento, Detroit	Schlemer, John H.	13826 Dexter Blvd., Detroit
Rizzo, Frank	1379 Berkshire Road, Grosse Pointe Park	Schlesinger, Henry	13534 Woodward, Detroit
Robb, Edward L.	17380 Livernois, Detroit	Schmaltz, John D.	1701 David Broderick Tower, Detroit
Robb, Herbert F.	381 S. Main St., Belleville	Schmidt, Harry E.	667 Fisher Bldg., Detroit
Robb, J. Milton	315 Lakeland, Grosse Pointe Village	Schmidt, Milton R.	2615 W. Jefferson, Trenton
Roberts, Arthur J.	1310 Warwick, Lincoln Park	Schmidt, Werner F.	1807 Stroh Bldg., Detroit
Robertson, Stanley B.	962 Fisher Bldg., Detroit	Schmier, Burton L.	5440 Cass Ave., Detroit
Robertson, Tom H.	962 Fisher Bldg., Detroit	Schmitt, Norman L.	10127 W. McNichols, Detroit
Robbins, Samuel C.	18963 Jas. Couzens Highway, Detroit	Schneck, R. J.	641 David Whitney Bldg., Detroit
Robinson, Fred L.	13530 Michigan Ave., East Dearborn	Schneider, Curt P.	655 Fisher Bldg., Detroit
Robinson, George W. (L)	1701 E. Grand Blvd., Detroit	Scholes, Daniel R.	113 Martin Place, Detroit
Robinson, H. A.	987 E. Jefferson, Detroit	Schooten, Sarah S.	954 Maccabees Bldg., Detroit
Robinson, Howard	953 Fisher Bldg., Detroit	Schorr, Robert L. (E)	1325 E. Jefferson, Detroit
Robinson, R. G.	3751 31st St., Detroit	Schraer, Paul H.	1122 East Grand Blvd., Detroit
Roeglin, O. F.	14320 E. Jefferson, Detroit	Schreiber, Frederic	10 Peterboro, Detroit
Rogers, Aaron Z.	20451 Mack Ave., Grosse Pointe Woods	Schroeder, Carlisle F.	7815 E. Jefferson, Detroit
Rogers, George E. B.	2108 David Broderick Tower, Detroit	Schulte, Carl H.	3919 John R, Detroit
Rogers, James D.	2966 Biddle Ave., Wyandotte	Schultz, Ernest C.	840 David Whitney Bldg., Detroit
Rogin, James R.	3027 David Stott Bldg., Detroit	Schwartz, Ben	275 W. Grand Blvd., Detroit
Rogoff, Abraham S.	1328 Maccabees Bldg., Detroit	Schwartz, Louis A.	861 Fisher Bldg., Detroit
Rohde, Paul C.	912 Maccabees Bldg., Detroit	Schwartz, Oscar D.	7441 West Seven Mile Road, Detroit
Rom, Jack	903 Kales Bldg., Detroit	Schwartzberg, Jos. A.	5001 14th St., Detroit
Roman, Stanley J.	742 Maccabees Bldg., Detroit	Schwarz, Francis S., Jr.	1633 David Whitney Bldg., Detroit
Roney, Eugene H.	17187 Schaefer Highway, Detroit	Schweigert, C. F.	10627 Cadieux, Detroit
Rosbolt, Oscar P.	8505 Plymouth Road, Detroit	Sciarrino, Stanley V.	15388 Livernois, Detroit
Rose, Bernard	65 W. Hancock, Detroit	Scott, R. J.	7333 W. 7 Mile Road, Detroit
Rosefield, John L.	630 Maccabees Bldg., Detroit	Scott, William J.	79 Kercheval, Grosse Pointe Farms
Rosen, Harold M.	8830 W. McNichols, Detroit	Scoville, Victor	1429 David Whitney Bldg., Detroit
Rosen, T. S.	18700 Meyers, Detroit		

# ROSTER

Scruton, Foster D. 5419 Livernois, Detroit  
Seabrooks, B. F. 9136 Oakland Ave., Detroit  
Sears, Charles H. Detroit Receiving Hospital, Detroit  
Secord, Eugene W. 761 Fisher Bldg., Detroit  
Seeley, James B. 13530 Michigan Ave., Dearborn  
Seeley, Ward F. 1807 David Whitney Bldg., Detroit  
Segar, Laurence F. 1410 David Broderick Tower, Detroit  
Seibert, Alvin H. 1180 Bedford Road, Grosse Pointe Park  
Seiferlein, Archie L. 508 David Whitney Bldg., Detroit  
Selby, C. D. 1916 Military, Port Huron  
Self, William G. 19365 Mack Ave., Detroit  
Sellers, Charles W. 2314 W. Grand Blvd., Detroit  
Sellers, Graham 2405 W. McNichols Road, Detroit  
Serrester, Bernard F. 18650 W. Warren, Detroit  
Seski, Arthur G. 863 Fisher Bldg., Detroit  
Sewell, George S. 1116 David Whitney Bldg., Detroit  
Shafarman, Eugene M. 5320 John R., Detroit  
Shaffer, Jos. H. Henry Ford Hospital, Detroit  
Shaffer, Loren W. 3852 Bishop Road, Detroit  
Shafter, Royce R. 655 Fisher Bldg., Detroit  
Shanoski, Stanley J. 11301 E. McNichols, Detroit  
Shapiro, H. D. 125 W. Saginaw, Lansing  
Shapiro, I. Allen 4400 Livernois, Detroit  
Shapiro, Jacob 9110 Kercheval, Detroit  
Shapiro, Oscar U. 11544 Dexter, Detroit  
Shapiro, Reuben I. 636 Maccabees Bldg., Detroit  
Sharrer, Charles H. 873 Lakewood, Detroit  
Shaw, N. D. 8830 W. McNichols, Detroit  
Shelden, Warren E. 17300 Schaeffer, Detroit  
Sheldon, J. A. 1435 Three Mile Drive, Grosse Pointe Park  
Shelton, C. F. 910 David Broderick Tower, Detroit  
Sherman, William LaRue 10 Peterboro, Detroit  
Sherrin, Edgar R. 9203 Grand River Ave., Detroit  
Sherwood, DeWitt L. (L) 6170 Michigan Ave., Detroit  
Shewchuk, Alexander P. 7300 Allen Road, Allen Park  
Shields, William L. 18600 Woodward, Detroit  
Shifrin, Peter G. 767 Fisher Bldg., Detroit  
Shipton, W. Harvey 2679 Montclair Ave., Detroit  
Shiovitz, Louis 5419 Michigan Ave., Detroit  
Shlain, Benjamin 10244 W. 7 Mile Road, Detroit  
Shortz, Gerald 504 Doctors Bldg., 3919 John R., Detroit  
Shotwell, Carlos W. (L) 10 Peterboro, Detroit  
Shulak, Irving B. 1714 David Broderick Tower, Detroit  
Shulman, Herschel 622 Maccabees Bldg., Detroit  
Shumaker, E. J. 22691 Michigan, Dearborn  
Siddall, Roger S. 955 Fisher Bldg., Detroit  
Sieber, Edward H. 15146 Michigan Ave., Dearborn  
Siefert, John L. 12720 E. Outer Drive, Detroit  
Siefert, William A. 16849 Grand River, Detroit  
Siegel, Henry 7441 W. 7 Mile Road, Detroit  
Sigler, John W. Henry Ford Hospital, Detroit  
Sill, Jack A. Receiving Hospital, Detroit  
Silverman, I. Zable 9103 Van Dyke, Detroit  
Silver, I. W. 20000 W. Chicago, Detroit  
Silverman, Maurice M. 3925 Joy Road, Detroit  
Silverman, Max 11340 Dexter Blvd., Detroit  
Simmons, Donald R. 1609 David Broderick Tower, Detroit  
Simon, Emil R. 776 Maccabees Bldg., Detroit  
Simon, Heinz G. 16131 Mack Ave., Detroit  
Simpson, Clarence E. (L) 1210 Kales Bldg., Detroit  
Sinclair, James W. 11801 Morang Drive, Detroit  
Singer, Floyd W. 13530 Michigan, Dearborn  
Sippola, George W. 13603 LaSalle, Detroit  
Sisson, John M. 17201 W. McNichols, Detroit  
Skinner, W. Clare 9815 Grand River, Detroit  
Sklover, I. J. 1326 E. 7 Mile Road, Detroit  
Skrzycki, Stephen S. 10040 Joseph Campau, Detroit  
Skully, Edward J. 14000 Linnhurst, Detroit  
Sladen, F. J. Henry Ford Hospital, Detroit  
Slahetke, Vincent E. 7435 Michigan, Detroit  
Slaughter, Fred M. 455 E. Adams, Detroit  
Slaughaupt, J. G. 418 Transportation Bldg., Detroit  
Slazinski, Leo W. 7618 Michigan, Detroit  
Slevin, John G. 1514 David Broderick Tower, Detroit  
Sliwin, E. P. 641 David Whitney, Detroit  
Slusky, Joseph 1826 Oakman Blvd., Detroit  
Small, Henry 11507 Hamilton, Detroit  
Smathers, Homer M. 14669 Longacre Road, Detroit  
Smeck, Arthur R. 1036 Waterman, Detroit  
Smith, Clarence V. 1716 E. Grand Blvd., Detroit  
Smith, Claude A. 15 Linden St., River Rouge  
Smith, F. J. Henry Ford Hospital, Detroit  
Smith, Henry L. 16401 Grand River Ave., Detroit  
Smith, J. Allen 14140 Puritan, Detroit  
Smith, Richmond Henry Ford Hospital, Detroit  
Snedeker, Bernard C. 18800 Woodward Ave., Detroit  
Snow, L. W. 508 W. Main St., Northville  
Snyder, Arthur M. 503 Medical Arts Bldg., Detroit  
Sobel, Robert A. 612 Kales Bldg., Detroit  
Sokolov, Raymond A. 755 Fisher Bldg., Detroit  
Somers, Donald C. 3919 John R., Detroit  
Sonda, Lewis P. 552 David Whitney Bldg., Detroit  
Sorock, Milton L. 3008 David Stott Bldg., Detroit  
Spademan, Loren C. 1013 David Whitney Bldg., Detroit  
Spalding, Edward D. 10 Peterboro, Detroit  
Sparling, Harold I. 251 Main St., Northville  
Speck, Carlos C. 6525 Park Ave., Allen Park  
Spector, Maurice J. 12504 E. Jefferson, Detroit  
Spero, Gerald D. 2311 David Broderick Tower, Detroit  
Sperry, Frederick L. 463 Fisher Bldg., Detroit  
Spiro, Adolph 11255 Mack Ave., Detroit  
Springborn, B. R. 15818 E. Warren, Detroit

Sprunk, Carl J. 869 Fisher Bldg., Detroit  
Squires, W. H. Wayne County Gen'l Hosp., Eloise  
Stafford, Frank W. J. 1111 Griswold, Detroit  
Stalker, Hugh 15315 E. Jefferson, Grosse Pointe  
Stamell, B. B. 658 Maccabees Bldg., Detroit  
Stamell, Meyer 14634 Greenfield, Detroit  
Stanton, James M. 1001 Stroh Building, Detroit  
Stanton, Myron R. 3400 W. Warren, Detroit  
Stapleton, William J., Jr. (E) 641 David Whitney Bldg., Detroit  
Starrs, Thomas C. 509 Fox Theatre Bldg., Detroit  
Staub, Howard P. Box 32 R. Park, Detroit  
Stearns, A. B. 504 Doctors Bldg., Detroit  
Stebbins, Charles E. 856 Fisher Bldg., Detroit  
Steele, Hugh H. Henry Ford Hospital, Detroit  
Stefani, Ernest L. 4126 W. McNichols, Detroit  
Stefani, Raymond T. 13516 Stoepel, Detroit  
Steffensen, Ellis Henry Ford Hospital, Detroit  
Stein, Albert H. 19334 San Juan Drive, Detroit  
Stein, Edward 909 Kales Bldg., Detroit  
Stein, James R. 125 W. 9 Mile Road, Ferndale  
Stein, Saul Charles 22650 Van Dyke, VanDyke  
Steinbach, Albert 1229 David Whitney Bldg., Detroit  
Steinbach, Henry B. 1229 David Whitney Bldg., Detroit  
Steinberger, Eugene 6409 W. Fort St., Detroit  
Steiner, Frederick 29627 Ford Road, Garden City  
Steiner, L. J. Henry Ford Hospital, Detroit  
Steinhardt, Milton J. 658 Maccabees Bldg., Detroit  
Stellhorn, Chester E. 12900 W. 7 Mile Road, Detroit  
Stellhorn, Mary Christine 16616 Mack Avenue, Detroit  
Stenborg, W. P. 19445 Votrobeck Drive, Detroit  
Stephens, Homer C. 4302 McGraw, Detroit  
Sterba, Richard F. 1130 Parker, Detroit  
Sterling, Robert R. 1541 David Whitney Bldg., Detroit  
Stern, Harry L. 15826 James Couzens Highway, Detroit  
Stern, Leonard H. 22748 Van Dyke, Van Dyke  
Stern, Louis D. 1049 David Whitney Bldg., Detroit  
Stevens, Charles 14934 Ward, Detroit  
Stevenson, Charles 1512 St. Antoine, Detroit  
Stewart, Harry L., Jr. Henry Ford Hospital, Detroit  
Stewart, Maitland N. 1069 Fisher Bldg., Detroit  
Stewart, Thomas O. 17187 Schaefer Highway, Detroit  
Stiefel, Daniel M. 1563 David Whitney Bldg., Detroit  
Stillwater, Karl 1636 Burlingame, Detroit  
Stirling, Alex M. 10 Peterboro, Detroit  
Stith, Dwight E. 9101 Oakland, Detroit  
Stobbe, Godfrey D. Grace Hospital, Detroit  
Stocker, Harry 5718 Devonshire, Detroit  
Stocker, Lawrence L. 2311 David Broderick Tower, Detroit  
Stockwell, B. W. 703 Doctors Bldg., 3919 John R., Detroit  
Stokfisz, Thaddeus 7012 Michigan Ave., Detroit  
Straith, Claire L. 1713 David Whitney Bldg., Detroit  
Strand, Martin E. 22400 Cherry Hill, West Dearborn  
Stricker, Henry D. 5624 W. Fort St., Detroit  
Strickroot, Fred L. 707 Kales Bldg., Detroit  
Strohschein, Don F. 1063 Fisher Bldg., Detroit  
Stryker, Joan C. 21604 E. River Road, Grosse Isle  
Stryker, Walter A. Wyandotte General Hospital, Wyandotte  
Stubbs, C. T. 13930 Woodward Ave., Detroit  
Stubbs, Harold W. 13930 Woodward Ave., Detroit  
Stuecheli, Milton B. 1230 Bishop Road, Grosse Pointe  
Stump, George D. 1314 David Whitney Bldg., Detroit  
Sugar, David I. 13120 Broadstreet, Detroit  
Sugar, H. Saul 311 Stroh Bldg., Detroit  
Sugarmann, Marcus H. 9739 Dexter, Detroit  
Sullivan, Hugh A. 1053 David Whitney Bldg., Detroit  
Summers, William A. 1613 David Whitney Bldg., Detroit  
Summers, William S. 1613 David Whitney Bldg., Detroit  
Surbis, John P. 493 W. Grand Blvd., Detroit  
Sutherland, Jacob M. 662 Fisher Bldg., Detroit  
Swanson, Carl W. 936 Alter Road, Detroit  
Swanson, Cleary N. 16921 James Couzens Highway, Detroit  
Swanson, Robert G. 936 Alter Road, Detroit  
Swartz, Fred G., Jr. 1229 David Whitney Bldg., Detroit  
Sweeny, Donald, N., Jr. 8445 E. Jefferson, Detroit  
Swift, Karl L. 869 Fisher Bldg., Detroit  
Switzer, Bertrand C. 17354 James Couzen Highway, Detroit  
Syphax, Charles S., Jr. 1819 E. Davison, Detroit  
Szejda, J. C. 3003 Harper, Detroit  
Szilagyi, D. Emerick Henry Ford Hospital, Detroit  
Szladak, F. J. 4045 W. Jefferson, Ecorse  
Szmigiel, A. J. 2610 E. Forest, Detroit  
Szokolay, Joseph P. 2694 Carter St., Detroit  
Talbot, Frank G. 18101 James Couzens, Detroit  
Tallant, Edward J. 14001 Greenfield, Detroit  
Tamblyn, E. J. 15315 E. Jefferson, Detroit  
Tapert, Julius C. 888 Chalmers, Detroit  
Tasker, Helen 76 W. Adams, Detroit  
Tassie, Ralph N. 14060 Saratoga, Detroit  
Tateli, Gabriel 1011 E. Grand Blvd., Detroit  
Tatelman, Maurice 410 Kales Bldg., Detroit  
Taurence, William H. 1860 Ford, Wyandotte  
Taylor, Aaron 19438 Whitcomb, Detroit  
Taylor, Ivan B. 504 Doctor Bldg., 3919 John R., Detroit  
Taylor, Nelson M. 654 St. Clair, Grosse Pointe  
Taylor, Reu Spencer (L) 4342 West Vernor Hwy., Detroit  
Tazzioli, Henry A. 1260 Marlborough, Detroit  
Tear, Malcolm J. 5008 Trumbull Ave., Detroit  
Teitelbaum, Myer 405 Kales Bldg., Detroit  
Tenaglia, Thomas A. 9 Salliotte, Ecorse  
Tenerowicz, Rudolph G. 2925 Lehman, Detroit  
Texter, Elmer C. 7457 Gratiot Ave., Detroit  
Thompson, Arthur Lee 6125 Scotten, Detroit

# ROSTER

Thompson, H. E.	2212 Clinton	Detroit	Weisenthal, Irvin	5764 Woodward	Detroit
Thompson, H. O.	6014 W. Fort	Detroit	Weiser, Frank A.	4162 John R.	Detroit
Thompson, W. A.	6125 Scotten	Detroit	Weiss, Casimer P.	10040 Joseph Campau	Detroit
Thomson, D. C. (A)	206383 E. River Road, Grosse Isle	Detroit	Weiss, J. G.	2237 W. Grand Blvd.	Detroit
Thornell, Harold E.	4839 Beaubien	Detroit	Welch, John H.	5662 W. Vernor Highway	Detroit
Thosteson, George C.	1139 David Whitney Bldg.	Detroit	Weller, Charles N.	1136 David Whitney Bldg.	Detroit
Thumann, R. C., Jr.	1757 David Whitney Bldg.	Detroit	Wells, Martha	760 Fisher Bldg.	Detroit
Toaz, Robert B.	13700 Woodward	Detroit	Weltman, Carl G.	1701 David Whitney Bldg.	Detroit
Toepel, Otto T. (E)	195 E. Grand Blvd.	Detroit	Wendel, Jacob S.	744 David Whitney Bldg.	Detroit
Tomsu, Charles L.	6170 Michigan Ave.	Detroit	Wenzel, Jacob F.	1006 Kales Bldg.	Detroit
Torres, Estelle	3985 Caniff	Detroit	Weston, Bernard	3200 Tyler	Detroit
Townsend, Frank M.	1551 Trumbull	Detroit	Weston, Earl E.	18101 James Couzens Highway	Detroit
Tregenza, W. K.	18530 Grand River	Detroit	Weston, Horace L.	703 Stroh Bldg.	Detroit
Tremain, Harold L.	106 W. Davison	Detroit	Weyher, Russell F.	2437 S. LaSalle Gardens	Detroit
Troester, George A.	1140 Maccabees Bldg.	Detroit	Whalen, Neil J.	1515 David Whitney Bldg.	Detroit
Trombino, James F.	2567 W. Grand Blvd.	Detroit	Wharton, Thomas V.	2853 Biddle	Wyandotte
Trombley, Bryan	755 David Whitney Bldg.	Detroit	Wheeler, Stewart C.	16116 W. McNichols Road	Detroit
Trombley, Joseph J., Jr.	18933 Grand River	Detroit	Whelan, Joseph L.	Mayo Clinic, Rochester, Minn.	
Truba, Paul K.	5419 Livernois	Detroit	Whinnery, Randall A.	752 Fisher Bldg.	Detroit
Truskowski, Edward G.	11838 Jos. Campau	Detroit	White, Donald	1580 W. Fort St., Lincoln Park	
Tryhall, S. W.	13300 Livernois	Detroit	White, Milo R.	Henry Ford Hospital	Detroit
Tulloch, John	923 David Whitney Bldg.	Detroit	White, Milton W.	2329 E. Grand Blvd.	Detroit
Tupper, Roy D.	15101 W. 7 Mile Road	Detroit	White, Prosper D.	66 Tuxedo, Highland Park	
Turbett, Claude W.	4230 Commonwealth Ave.	Detroit	White, Theodore M.	7159 Michigan Ave.	Detroit
Turcotte, Vincent J.	14015 Gratiot	Detroit	Whitehead, Leston S.	Henry Ford Hospital	Detroit
Turkel, Henry	650 W. Boston Blvd.	Detroit	Whitehead, Walter K.	1129 David Whitney Bldg.	Detroit
Turnbull, Jack V.	22340 Michigan Ave., Dearborn		Whiteley, Robert K.	541-3 David Whitney Bldg.	Detroit
Tuynman, Peter E.	15865 Wyoming	Detroit	Whitney, Elmer L.	Henry Ford Hosp.	Detroit
Tyson, William E. E. (L)	2949 Gratiot	Detroit	Whitney, Rex E.	5525 W. Chicago Blvd.	Detroit
Ujda, Chester J.	35080 Chestnut	Wayne	Whittaker, Alfred H.	1427 E. Jefferson	Detroit
Ulbrich, H. L.	5029 Seneca	Detroit	Wiant, John L.	513 Professional Bldg.	Detroit
Ulrich, Willis H.	22365 Grand River	Detroit	Wickham, A. B. (L)	2232 Evergreen, Phoenix, Ariz.	
Umphrey, Clarence E.	13331 Livernois Ave.	Detroit	Wiechowski, Henry E.	10345 Joseph Campau	Detroit
Unsdck, H. E.	3954 Garland Ave.	Detroit	Wiener, Israel	8431 Lawton	Detroit
Usher, William Kay	15605 Kercheval	Detroit	Wiener, Morton	612 Kales Bldg.	Detroit
Vale, C. Fremont	1306 David Whitney Bldg.	Detroit	Wietersen, Fred K.	260 Manor R., Rte. 2, Birmingham	
VanBecelaere, L. H.	10 Bourassa	Ecorse	Wight, Fred B.	1048 David Whitney Bldg.	Detroit
Van Eck, James E.	9165 Whittier	Detroit	Wilcox, L. F.	110 Professional Bldg.	Detroit
VanGundy, Clyde R.	716 Junction Ave.	Detroit	Wilhelm, Seymour	3925 Joy Road	Detroit
Van Rhee, George	10 Peterboro	Detroit	Wilkinson, A. P.	974 Fisher Bldg.	Detroit
Van Riper, Steven L.	1059 Seminole	Detroit	Williams, Clarence J.	15324 E. Jefferson	Detroit
Vardon, Colin C.	13700 Woodward	Detroit	Wills, Josephus N.	2016 Chene St.	Detroit
Vardon, Edward M.	12897 Woodward Ave.	Detroit	Wilner, I. A.	17239 W. McNichols Road	Detroit
Vasu, V. O.	4829 Woodward	Detroit	Wilson, Andrew	4741 Spokane	Detroit
Vogel, Hyman A.	6319 Michigan	Detroit	Wilson, Gerald A.	4741 Spokane	Detroit
Vokes, Milton D.	10182 Gratiot Ave.	Detroit	Wilson, M. C.	11948 Outer Drive	Detroit
Vonder Heide, E. C.	17190 Strathmore	Detroit	Wilson, Stuart C.	10 Peterboro	Detroit
Vossler, A. E.	825 David Whitney Bldg.	Detroit	Wilson, Walter J. (E)	749-753 David Whitney Bldg.	Detroit
Waddington, Jos. E. G. (E)	3818 Northwestern	Detroit	Wilson, W. J., Jr.	749 David Whitney Bldg.	Detroit
Waggoner, C. Stanley	541 David Whitney Bldg.	Detroit	Winton, George J.	1007 David Stott Bldg.	Detroit
Waggoner, Lyle G.	404 David Whitney Bldg.	Detroit	Wishropp, E. A.	227 Kenwood Court, Grosse Pointe	
Wainger, Max J.	1012 Eaton Tower	Detroit	Wissman, H. C.	6356 W. Fort	Detroit
Wainstock, Michael	1508 David Broderick Tower	Detroit	Wittenberg, Arthur A.	7101 W. Chicago	Detroit
Wakeman, Everal M.	22276 Garrison, Dearborn		Wittenberg, Samson S.	934 Maccabees Bldg.	Detroit
Waldrott, George L.	10 Peterboro	Detroit	Wittenberg, Sydney S.	4400 Livernois	Detroit
Walker, J. Paul	13510 Mack Ave., Grosse Pointe		Witter, Joseph A.	344 Glendale	Detroit
Walker, Roger V.	1255 David Whitney Bldg.	Detroit	Witter, Frank C. (L)	344 Glendale Ave.	Detroit
Wallace, S. Willard	7815 E. Jefferson	Detroit	Witus, Carl	8045 E. Jefferson	Detroit
Walls, Arch	17201 W. McNichols Road	Detroit	Witus, Morris	9036 Dexter Blvd.	Detroit
Walser, Howard Carleton	566 Fisher Bldg.	Detroit	Wolfe, Max O.	7-260 General Motors Bldg.	Detroit
Walsh, C. R.	935 Hollywood Place, West Palm Beach, Fla.		Wollank, Helen Wilson	15324 E. Jefferson	Detroit
Walsh, Francis P.	474 Fisher Bldg.	Detroit	Wollenberg, R. A. C.	939 David Whitney Bldg.	Detroit
Walters, Albert G.	11078 Gratiot Ave.	Detroit	Wood, Alfred L.	14741 Michigan Ave., Dearborn	
Walter, Arthur W.	14201 Rutland	Detroit	Wood, Kenneth A.	3919 John R.	Detroit
Waltz, Paul J.	16127 Woodward Ave.	Detroit	Wood, Wilford C.	463 Fisher Bldg.	Detroit
Warden, Horace F. W.	8011 W. Vernor Highway	Detroit	Woods, W. Edward	18750 Woodward Ave.	Detroit
Warner, J. F.	1508 David Broderick Tower	Detroit	Woodworth, William P.	17387 Quincy	Detroit
Warner, P. L.	10314 Puritan	Detroit	Worzniak, Joseph J.	2312 Biddle St., Wyandotte	
Warren, Irving A.	1406 David Broderick Tower	Detroit	Wreggit, Winston R.	79 Highland Ave.	Detroit
Warren, Wadsworth	1144 David Whitney Bldg.	Detroit	Wright, Lance S. (M)	USPHS Medical Center, Hot Springs, Ark.	
Wasserman, Lewis C.	562 Maccabees Bldg.	Detroit	Wruble, Joseph	411 Seldon	Detroit
Waszak, Charles J.	2501 West Grand Blvd.	Detroit	Wunsch, Richard E.	7815 E. Jefferson	Detroit
Watson, Douglas J.	14001 Greenfield	Detroit	Yates, Arthur J.	8045 E. Jefferson	Detroit
Watson, Harwood G.	935 S. Military, Dearborn		Yesayan, H. G.	609 Kales Bldg.	Detroit
Watson, J. Edwin	2536 W. Grand Blvd.	Detroit	Yetzer, William J.	760 Fisher Bldg.	Detroit
Watson, Robert W.	18916 Woodward	Detroit	Yott, William J.	15744 Harper Ave.	Detroit
Watts, Frederick B.	16321 Mack	Detroit	Young, Donald A.	14807 W. McNichols	Detroit
Watts, John C.	7360 Twelfth St.	Detroit	Young, Donald C.	1197 Edison	Detroit
Watts, John J.	7360 Twelfth St.	Detroit	Young, Lloyd B.	857 Fisher Bldg.	Detroit
Wayne, Morris A.	15930 Livernois	Detroit	Young, Viola M.	10 Peterboro	Detroit
Weaver, Clarence E.	113 Martin Place	Detroit	Zabinski, Edward J.	19036 Van Dyke	Detroit
Weaver, Delmar F.	571 Fisher Bldg.	Detroit	Zackheim, Herschel	22265 Garrison, Dearborn	
Weber, Karl W.	16400 E. Warren	Detroit	Zawadzki, Edward S.	14961 Piedmont Ave.	Detroit
Webster, John E.	840 David Whitney Bldg.	Detroit	Zbudowski, Myron R.	2758 Belmont, Hamtramck	
Weed, Milton R.	1997 E. Grand Blvd.	Detroit	Zemens, Joseph L.	1580 E. Grand Blvd.	Detroit
Wehenkel, Albert M. (L)	7356 12th St.	Detroit	Ziegler, Robert F.	Henry Ford Hospital	Detroit
Weidner, J. H.	Ford Motor Co., 3000 Schaefer, Dearborn		Zinn, George H.	641 David Whitney Bldg.	Detroit
Weiner, Maurice B.	1114 Maccabees Bldg.	Detroit	Zinterhofer, John	27621 Santa Barbara Drive, Birmingham	
Weingarden, David H.	13240 Vassar Drive	Detroit	Zolliker, Margaret	20390 Harper	Detroit
Weinstein, Jacob	4237 Grand River Ave.	Detroit	Zonnis, Marian E.	672 W. Hancock	Detroit
Weisberg, A. Allen	20 W. Seven Mile Road	Detroit	Zukowski, Henry J.	1916 Manchester Blvd., Grosse Pte. Woods	
Weisberg, Harry	618 Maccabees Bldg.	Detroit	Zukowski, Sigmund A.	6626 Van Dyke	Detroit
Weisberg, Jacob	618 Maccabees Bldg.	Detroit			

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Goude, Mrs. Gordon.....Hopkins  
Hudnutt, Mrs. O. D.....Plainwell  
Johnson, Mrs. E. B.....Allegan  
Kromer, Mrs. R. A.....Wayland

Mahan, Mrs. J. E.....Allegan  
Miller, Mrs. K. C.....Saugatuck  
Schneider, Mrs. H. E.....Allegan  
VanDerKolk, Mrs. B.....Hopkins

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Crissey, Mrs. Robert H.....Bay City  
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Fraser, Mrs. Robert J.....Coldwater

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Gomley, Mrs. Henry C.....Bronson  
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Brainard, Mrs. C. W.....Battle Creek  
Brown, Mrs. Robert W.....Battle Creek  
Campbell, Mrs. R. J.....Battle Creek

Capron, Mrs. M. J.....Battle Creek  
Chynoweth, Mrs. W. R.....Battle Creek  
Cooper, Mrs. J. E.....Battle Creek  
Finch, Mrs. D. L.....Battle Creek  
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## ROSTER

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Hibbs, Mrs. D. K.....Battle Creek  
Hills, Mrs. C. R.....Battle Creek  
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Holton, Mrs. B. G.....Battle Creek  
Hubly, Mrs. James.....Battle Creek  
Humphrey, Mrs. A. A.....Battle Creek  
Jeffrey, Mrs. J. R.....Battle Creek  
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Kinde, Mrs. M. R.....Battle Creek  
Kingsley, Mrs. P. C.....Battle Creek  
LaFrance, Mrs. N. F.....Battle Creek  
Lam, Mrs. F. L.....Battle Creek  
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Hult, Mrs. Otto.....Gladstone  
LeMire, Mrs. Donald.....Escanaba  
LeMire, Mrs. Wm.....Escanaba

Lindquist, Mrs. Norman.....Escanaba  
McInerney, Mrs. Thomas.....Escanaba  
Miller, Mrs. A. H.....Gladstone  
Ryde, Mrs. Robert.....Escanaba  
Shaw, Mrs. Geo. A.....Manistique  
Van Arsdale, Mrs. Wm. L.....Manistique  
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Wehner, Mrs. Merle D.....Manistique

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Boyce, Mrs. George.....Iron Mountain  
Cooper, Mrs. C. A.....Stambaugh  
Fiedling, Mrs. Wm.....Vulcan  
Hayes, Mrs. Willard.....Norway

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Huron, Mrs. W. H.....Iron Mountain  
Irvine, Mrs. L. E.....Iron River  
Lamb, Mrs. Ray.....Niagara, Wis.  
McCormick, Mrs. Edw.....Niagara, Wis.  
McEachran, Mrs. H. D.....Iron Mountain  
Menzie, Mrs. Clifford.....Iron Mountain

Palm, Mrs. T. E.....Crystal Falls  
Schlitter, Mrs. R. E.....Iron Mountain  
Schmutzler, Mrs. W. A.....Kingsford  
Steinke, Mrs. C. G.....Kingsford  
Schroeder, Mrs. John.....Iron Mountain  
Smith, Mrs. Donald R.....Iron Mountain

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DeLand, Mrs. C. L.....Bellevue  
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Goff, Mrs. Sidney B.....Eaton Rapids

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Johnson, Mrs. Robert.....Charlotte  
Meinke, Mrs. Albert.....Eaton Rapids  
Myers, Mrs. A. W.....Potterville

Sevener, Mrs. Lester.....Charlotte  
Stimson, Mrs. Chas. A.....Eaton Rapids  
Stucky, Mrs. George C.....Charlotte  
VanArk, Mrs. Bert.....Eaton Rapids  
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Brownson, Mrs. Kneale M.....Traverse City  
Bushong, Mrs. B. B.....Traverse City  
Carrow, Mrs. Fleming.....Traverse City  
Clark, Mrs. Charles D.....Traverse City  
Ellis, Mrs. Claude.....Suttons Bay  
Gallagher, Mrs. Wm.....Traverse City  
Gauntlett, Mrs. J. W.....Traverse City  
Greenlee, Mrs. R. L.....Traverse City  
Hall, Mrs. J. W.....Traverse City

Haberlein, Mrs. Chas.....Traverse City  
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Hyslop, Mrs. William.....Traverse City  
Jerome, Mrs. Jerome T.....Traverse City  
Kyselka, Mrs. Harry.....Traverse City  
Lawton, Mrs. F. P.....Traverse City  
Levey, Mrs. Paul.....Traverse City  
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Merritt, Mrs. Harry.....Traverse City  
Milliken, Mrs. John.....Traverse City  
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Weitz, Mrs. Harry.....Traverse City  
Zielke, Mrs. I. H.....Traverse City  
Zimmerman, Mrs. J. G.....Traverse City

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Andrews, Mrs. N. A. C.....Flushing  
Anthony, Mrs. George.....Flint  
Backus, Mrs. Glenn.....Flint  
Barbour, Mrs. Fleming.....Flint  
Bald, Mrs. F. W.....Flint  
Baske, Mrs. Franklin.....Flint  
Benson, Mrs. John, Jr.....Flint  
Benson, Mrs. John, Sr.....Flint  
Beyer, Mrs. Damon.....Clio  
Beyer, Mrs. George.....Clio  
Biggar, Mrs. H. R.....Flint  
Bishop, Mrs. D. L.....Flint  
Blakely, Mrs. A. C.....Flint  
Boles, Mrs. Wm.....Flint  
Bonathan, Mrs. A. T.....Flint  
Branch, Mrs. Hira.....Flint  
Brasie, Mrs. Don.....Flint  
Briggs, Mrs. Guy.....Flint  
Bruce, Mrs. Wm.....Swartz Creek  
Buchanan, Mrs. Wm.....Fenton  
Chambers, Mrs. M. S.....Flint  
Collins, Mrs. James.....Flint  
Colwell, Mrs. Clifford.....Flint  
Connell, Mrs. J. T.....Flint  
Conover, Mrs. George.....Flint  
Conover, Mrs. McClellan.....Flint

Cook, Mrs. Henry.....Flint  
Credille, Mrs. Barney.....Flint  
Curry, Mrs. George.....Flint  
Curtin, Mrs. John.....Flint  
Cutler, Mrs. Campbell.....Flint  
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Dimond, Mrs. E. G.....Flint  
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Eichhorn, Mrs. Ernest.....Flint  
Eickhorst, Mrs. Thomas.....Flint  
Elliott, Mrs. H. B.....Flint  
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Fee, Mrs. Manson.....Flint  
Flynn, Mrs. Southard.....Flint  
Gleason, Mrs. N. A.....Flint  
Gorne, Mrs. S. S.....Flint  
Griffin, Mrs. Ernest.....Flint  
Grover, Mrs. H. F.....Flint  
Guile, Mrs. Gurdon.....Flint  
Gutow, Mrs. J. J.....Flint  
Gundry, Mrs. George.....Grand Blanc  
Hague, Mrs. Robert.....Flushing  
Harper, Mrs. A. W.....Flint  
Harper, Mrs. Homer.....Flint  
Hiscock, Mrs. Harold.....Flint  
Hooper, Mrs. Kendall.....Flint  
Hubbard, Mrs. Wm.....Flint  
Hufon, Mrs. W. L.....Flint  
Jermstad, Mrs. Robert.....Flushing

Johnson, Mrs. Frank.....Flint  
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Kaleta, Mrs. Edward J.....Flint  
Kaufman, Mrs. L. D.....Flint  
Knapp, Mrs. Don (widow).....Flint  
Knapp, Mrs. Wm.....Flint  
Kretschmar, Mrs. Arthur.....Flint  
Kurtz, Mrs. John.....Flint  
Limbach, Mrs. David.....Fenton  
Livesay, Mrs. Jackson.....Flint  
Macduff, Mrs. Bruce.....Flint  
MacGregor, Mrs. Delbert.....Flint  
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Miller, Mrs. Loren.....Flint  
Miner, Mrs. F. B. (widow).....Flint  
Miltich, Mrs. Anthony.....Flint  
Moore, Mrs. Kenneth.....Flint  
Morrish, Mrs. Ray.....Flint  
Morrison, Mrs. Wm.....Grand Blanc  
Morrisey, Mrs. Vaughan.....Flint  
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Odle, Mrs. I. D.....Flint  
Orr, Mrs. Walter.....Fenton  
Osher, Mrs. Seymour.....Flint  
Phillips, Mrs. Robert.....Flint  
Pfeiffer, Mrs. A. C.....Mt. Morris  
Randall, Mrs. Louise.....Flint

# ROSTER

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Rieth, Mrs. George F.....Flint  
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Rundles, Mrs. Walter.....Flint  
Sandy, Mrs. Kenneth.....Flint  
Scavarda, Mrs. Charles.....Flint  
Schiff, Mrs. Benton.....Flint  
Schreiber, Mrs. Oscar.....Flint  
Searles, Mrs. Karl.....Flint  
Shapiro, Mrs. Joseph.....Flint  
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Sheeran, Mrs. Dan.....Flint  
Shipman, Mrs. Charles.....Flint

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Smith, Mrs. Eugene.....Flint  
Smith, Mrs. M. J.....Flint  
Sniderman, Mrs. Ben.....Flint  
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Steffe, Mrs. Ralph.....Flint  
Steinman, Mrs. Floyd.....Flint  
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Tuuri, Mrs. Arthur.....Flint  
Vary, Mrs. Edwin.....Flint  
Wark, Mrs. D. R.....Flint  
Wentworth, Mrs. John.....Flint  
White, Mrs. Herbert T.....Flint  
Williams, Mrs. Wm.....Grand Blanc  
Willoughby, Mrs. Gordon.....Flint  
Willoughby, Mrs. L. L.....Flint  
Wills, Mrs. T. W.....Flint  
Winchester, Mrs. Walter.....Flint  
Woughter, Mrs. Harold.....Flint  
Wright, Mrs. Donald.....Flint  
Wyman, Mrs. John.....Grand Blanc

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Barstow, Mrs. Don K.....St. Louis  
Barstow, Mrs. Wm.....St. Louis  
Chamberlain, Mrs. Roy.....Mr. Pleasant

Davies, Mrs. Lionel.....Mt. Pleasant  
Haagarland, Mrs. Clarence.....Alma  
Hammerburg, Mrs. K.....Clare  
McArthur, Mrs. Stewart.....Rosebush

Oldham, Mrs. Earl.....Breckenridge  
Rottschaf, Mrs. John.....Alma  
Wallman, Mrs. Harry.....Alma

## Houghton-Baraga-Keweenaw Counties

Aldrich, Mrs. A. B.....Hancock  
Aldrich, Mrs. A. D.....Houghton  
Aldrich, Mrs. L. C.....Houghton  
Burke, Mrs. J. J.....Hubbell  
Gallen, Mrs. G. E.....Hancock  
Hillmer, Mrs. R. E.....Painesdale  
Kolb, Mrs. F. E.....Calumet  
LaBine, Mrs. A.....Houghton

Levin, Mrs. S.....Houghton  
Lepisto, Mrs. V.....Hancock  
Manthei, Mrs. W. A.....Lake Linden  
Murphy, Mrs. P. J.....Calumet  
Repola, Mrs. K. L.....Laurium  
Roache, Mrs. A. M.....Laurium  
Roache, Mrs. J.....Calumet

Sloan, Mrs. P. S.....Houghton  
Smith, Mrs. C. R.....Hancock  
Stern, Mrs. I. D.....Houghton  
Wickliffe, Mrs. T. P.....Calumet  
Winkler, Mrs. H. J.....L'Anse

### Honorary Members

Brewington, Mrs. Geo. F.....Mohawk  
Rupprecht, Mrs. Lillian.....Laurium

## Huron County

Bentley, Mrs. M. D.....Sebewaing  
Dixon, Mrs. Ralph.....Pigeon  
Gettel, Mrs. Roy.....Bad Axe  
Herrington, Mrs. Willet.....Bad Axe

Oakes, Mrs. Charles W.....Harbor Beach  
Retsema, Mrs. John.....Sebewaing  
Scheurer, Mrs. Clare.....Pigeon  
Sorensen, Mrs. Maurice.....Kinde

Steinhardt, Mrs. Edward.....Elkton  
Strempek, Mrs. Walter.....Pigeon  
Turner, Mrs. Phillip.....Harbor Beach  
Weiss, Mrs. Arno.....Bad Axe

## Ingham County

Alexander, Mrs. R.....Laingsburg  
Altland, Mrs. J. K.....Lansing  
Badgley, Mrs. W. O.....Lansing  
Baker, Mrs. A. G.....East Lansing  
Bates, Mrs. R. G.....Lansing  
Bauer, Mrs. T. I.....East Lansing  
Behen, Mrs. W. C.....Lansing  
Bevez, Mrs. F. L.....Lansing  
Bradford, Mrs. C. W.....East Lansing  
Breakey, Mrs. Robert S.....Lansing  
Briede, Mrs. P. C.....East Lansing  
Brown, Mrs. F. W., Jr.....Lansing  
Brubaker, Mrs. E. W.....Lansing  
Brucker, Mrs. K. B.....Lansing  
Calomeni, Mrs. A. D.....Lansing  
Cameron, Mrs. W. J.....Lansing  
Carr, Mrs. E. I.....Lansing  
Christian, Mrs. L. G.....Lansing  
Cope, Mrs. H. E.....Lansing  
Cowan, Mrs. John A.....East Lansing  
Cross, Mrs. F. S.....East Lansing  
Cushman, Mrs. F.....Lansing  
Darling, Mrs. L. H.....Lansing  
Davenport, Mrs. C. S.....East Lansing  
Dean, Mrs. Carleton.....East Lansing  
DeVries, Mrs. C. F.....Lansing  
Doyle, Mrs. C. P.....Lansing  
Dunn, Mrs. F. M.....East Lansing  
Drolett, Mrs. D. J.....Lansing  
Drolett, Mrs. Fred.....Lansing  
Drolett, Mrs. L. A.....Lansing  
Fortino, Mrs. S. P.....Lansing  
Fosget, Mrs. Wilbur.....Lansing  
French, Mrs. H. L.....Lansing  
Gardner, Mrs. C. B.....Lansing  
Garlinghouse, Mrs. A. J.....Lansing  
Goldner, Mrs. R. E.....Lansing  
Harris, Mrs. H. W.....Lansing  
Harrison, Mrs. W. H.....Lansing  
Harrod, Mrs. C.....Grand Ledge  
Hart, Mrs. L. G.....Lansing  
Haze, Mrs. H. A.....Lansing  
Heald, Mrs. G. H.....Lansing  
Heckert, Mrs. F. B.....Lansing  
Heckert, Mrs. J. K.....East Lansing  
Hermes, Mrs. E. J.....Lansing

Heustis, Mrs. A. E.....East Lansing  
Himmelberger, Mrs. R. J.....Lansing  
Hodges, Mrs. K. P.....Lansing  
Holm, Mrs. M. L.....Lansing  
Huggett, Mrs. C.....Lansing  
Imthum, Mrs. E.....Grand Ledge  
Isbister, Mrs. J. L.....Lansing  
Jacobs, Mrs. S. S.....East Lansing  
Johnson, Mrs. H. T.....Lansing  
Johnson, Mrs. Kenneth H.....Lansing  
Jones, Mrs. F. A.....East Lansing  
June, Mrs. R. C.....East Lansing  
Kahn, Mrs. David.....Lansing  
Kalmbach, Mrs. R. E.....Lansing  
Kiefer, Mrs. Guy.....East Lansing  
Klunzinger, Mrs. W. R.....East Lansing  
Kraft, Mrs. L. C.....Leslie  
Landy, Mrs. G. R.....Lansing  
LeDuc, Mrs. D. M.....East Lansing  
Le Vett, Mrs. H.....East Lansing  
Loree, Mrs. M. C.....Lansing  
Loughhead, Mrs. C.....East Lansing  
Ludlum, Mrs. L. C.....Lansing  
Marriner, Mrs. E. F.....Holt  
Martin, Mrs. W.....Lansing  
Meade, Mrs. W. E.....East Lansing  
McCorvie, Mrs. C. R.....East Lansing  
McCrumb, Mrs. R. R.....Lansing  
McElmurry, Mrs. L. R.....Lansing  
McGillicuddy, Mrs. J. E.....Lansing  
McGillicuddy, Mrs. O. B.....East Lansing  
McGillicuddy, Mrs. R. J.....East Lansing  
McIntyre, Mrs. J. E.....Lansing  
McNamara, Mrs. E.....Lansing  
Meade, Mrs. R.....East Lansing  
Meade, Mrs. W. E.....East Lansing  
Mercer, Mrs. W. E.....East Lansing  
Morrow, Mrs. R. J.....Lansing  
Miller, Mrs. H. A.....Lansing  
Osborn, Mrs. S.....Lansing  
Owen, Mrs. A. E.....East Lansing  
Pinkham, Mrs. R. A.....Lansing  
Place, Mrs. E. H.....Lansing  
Pomeroy, Mrs. R.....Lansing  
Poppen, Mrs. C. J.....Lansing

Prall, Mrs. H. J.....East Lansing  
Randall, Mrs. O. M.....Lansing  
Richards, Mrs. F.....East Lansing  
Robson, Mrs. E. J.....East Lansing  
Rozan, Mrs. J. S.....Okemos  
Rozan, Mrs. M.....East Lansing  
Rulison, Mrs. J. G.....Lansing  
Rutledge, Mrs. S.....East Lansing  
Sander, Mrs. J.....East Lansing  
Schultz, Mrs. A. E.....Lansing  
Sharp, Mrs. M.....East Lansing  
Shaw, Mrs. M.....Lansing  
Sherman, Mrs. G. A.....East Lansing  
Sichler, Mrs. H. G.....Lansing  
Silverman, Mrs. I.....Lansing  
Smith, Mrs. A. V.....Mason  
Snell, Mrs. D.....Lansing  
Spagnuolo, Mrs. A. J.....Lansing  
Spencer, Mrs. C. T.....East Lansing  
Stanley, Mrs. A. L.....East Lansing  
Steiner, Mrs. A. A.....Grand Ledge  
Steiner, Mrs. S. D.....East Lansing  
Stiles, Mrs. F.....East Lansing  
Strauss, Mrs. P. C.....Lansing  
Stringer, Mrs. C. J.....Lansing  
Swartz, Mrs. F. C.....East Lansing  
Tamblyn, Mrs. F. W.....East Lansing  
Toothaker, Mrs. K. W.....Lansing  
Towne, Mrs. L. C.....Lansing  
Trescott, Mrs. R. F.....Lansing  
Trimby, Mrs. R. H.....Lansing  
Troost, Mrs. F. L.....Holt  
VanderZalm, Mrs. T. P.....Lansing  
Wadley, Mrs. R.....East Lansing  
Walker, Mrs. Leo.....Lansing  
Warford, Mrs. J. T.....Lansing  
Webb, Mrs. R. O.....Okemos  
Weinburg, Mrs. H. B.....East Lansing  
Wellman, Mrs. J.....Lansing  
Whitlock, Mrs. S. C.....Diamondale  
Wilensky, Mrs. T.....East Lansing  
Wiley, Mrs. H. W.....Lansing  
Willson, Mrs. H. S.....Lansing  
Wilson, Mrs. H. A.....Lansing  
Wight, Mrs. W. G.....Lansing  
Worthington, Mrs. R.....Lansing

## Jackson County

Adams, Mrs. E. W.....Jackson  
Ahrnheim, Mrs. J. H.....Jackson  
Alter, Mrs. R. H.....Jackson  
Anderson, Mrs. W. B.....Jackson  
Appel, Mrs. S.....Jackson  
Baker, Mrs. George.....Parma

Bindshedler, Mrs. B. S.....Jackson  
Brashares, Mrs. Z. A.....Brooklyn  
Bullen, Mrs. G. R.....Jackson  
Clarke, Mrs. Corwin.....Jackson  
Cooley, Mrs. C. Warren.....Jackson  
Cooley, Mrs. R. M.....Jackson

Corley, Mrs. Cecil.....Jackson  
Corley, Mrs. E. H.....Jackson  
Cox, Mrs. Ferdinand.....Jackson  
Culver, Mrs. Guy D.....Stockbridge  
DeMay, Mrs. J. D.....Jackson  
DeMay, Mrs. C. E.....Jackson

## ROSTER

Deming, Mrs. R. C. Jackson  
 Dengler, Mrs. C. R. Jackson  
 Douglas, Mrs. E. W. Jackson  
 Filip, Mrs. H. K. Jackson  
 Finton, Mrs. R. E. Jackson  
 Finton, Mrs. W. L. Jackson  
 Finch, Mrs. R. L. Jackson  
 Foust, Mrs. W. L. Grass Lake  
 Growt, Mrs. B. H. Addison  
 Hackett, Mrs. T. E. Jackson  
 Hackett, Mrs. T. L. Jackson  
 Hanft, Mrs. C. F. Springport  
 Hanna, Mrs. Roger Jackson  
 Hardie, Mrs. G. C. Jackson  
 Harris, Mrs. L. J. Jackson  
 Hicks, Mrs. G. C. Jackson  
 Holst, Mrs. John Jackson  
 Holstein, Mrs. A. P. Manchester  
 Joerin, Mrs. W. A. Jackson  
 Keefer, Mrs. A. H. Concord  
 Kraft, Mrs. L. C. Leslie  
 Kudner, Mrs. D. F. Jackson  
 Lake, Mrs. Ed. Jackson  
 Landron, Mrs. Dan L. Michigan Center  
 Leahy, Mrs. E. O. Jackson  
 Leonard, Mrs. C. A. Jackson  
 Lenz, Mrs. C. R. Jackson  
 Lewis, Mrs. E. F. Jackson  
 Linden, Mrs. V. E. Jackson  
 Ludwick, Mrs. J. E. Jackson

McGarvey, Mrs. W. E. Jackson  
 McLaughlin, Mrs. M. J. Jackson  
 McLauthlin, Mrs. H. B. Jackson  
 Meads, Mrs. J. B. Jackson  
 Miller, Mrs. J. L. Jackson  
 Miller, Mrs. S. L. Jackson  
 Munro, Mrs. C. D. Jackson  
 Munro, Mrs. N. D. Jackson  
 Murphy, Mrs. B. M. Jackson  
 Newton, Mrs. R. E. Jackson  
 Otis, Mrs. G. L. Jackson  
 Parker, Mrs. E. E. Leslie  
 Payne, Mrs. A. K. Jackson  
 Porter, Mrs. H. W. Jackson  
 Pray, Mrs. H. F. Jackson  
 Pray, Mrs. G. R. Jackson  
 Ries, Mrs. G. G. Jackson  
 Riley, Mrs. P. A. Jackson  
 Sargent, Mrs. L. E. Jackson  
 Sautter, Mrs. W. A. Horton  
 Schmidt, Mrs. T. E. Jackson  
 Scott, Mrs. J. A. Jackson  
 Shaeffer, Mrs. A. M. Jackson  
 Shaeffer, Mrs. Dale Jackson  
 Sill, Mrs. H. W. Jackson  
 Sirhal, Mrs. A. M. Jackson  
 Smith, Mrs. D. W. Jackson  
 Southwick, Mrs. W. A. Springport  
 Stewart, Mrs. L. L. Jackson  
 Stewart, Mrs. Lewis L. Jackson  
 Stolbert, Mrs. Carl A. Jackson

Stone, Mrs. Ethon L. Jackson  
 Susskind, Mrs. M. V. Jackson  
 Tate, Mrs. C. E. Jackson  
 Taylor, Mrs. R. V. Jackson  
 Thaler, Mrs. L. F. Jackson  
 Thayer, Mrs. E. A. Jackson  
 Thompson, Mrs. R. B. Jackson  
 Torwick, Mrs. E. T. Jackson  
 Townsend, Mrs. J. W. Vandercook Lake  
 VanSchoick, Mrs. F. Jackson  
 VanSchoick, Mrs. John Hanover  
 VanWagen, Mrs. F. I. Jackson  
 Vivirski, Mrs. E. E. Jackson  
 Wallace, Mrs. W. S. Jackson  
 Wholihan, Mrs. J. W. Jackson  
 Wickham, Mrs. W. A. Jackson  
 Winter, Mrs. G. E. Jackson

### Honorary Members

Stewart, Mrs. M. N. Jackson  
 Smith, Mrs. J. C. Jackson  
 Peterson, Mrs. E. L. Jackson  
 Lathrop, Mrs. W. W. Jackson  
 Lake, Mrs. W. H. Jackson  
 Hurley, Mrs. H. Jackson  
 Brown, Mrs. H. A. Jackson  
 Myers, Mrs. J. H. Jackson  
 Crowley, Mrs. E. D. Jackson  
 Wilson, Mrs. E. G. Jackson  
 Schurer, Mrs. P. A. Manchester  
 Schepier, Mrs. C. W. Brooklyn

## Kalamazoo County

Aach, Mrs. Hugo Kalamazoo  
 Alexander, Mrs. C. A. Kalamazoo  
 Anderson, Mrs. Glenn Kalamazoo  
 Andrews, Mrs. Sherman Kalamazoo  
 Appel, Mrs. Wm. Kalamazoo  
 Armstrong, Mrs. Robt. Kalamazoo  
 Barak, Mrs. Herbert Kalamazoo  
 Barry, Mrs. Manley Kalamazoo  
 Bennett, Mrs. C. L. Kalamazoo  
 Bennett, Mrs. Keith Kalamazoo  
 Betz, Mrs. Eldean Kalamazoo  
 Birch, Mrs. Wm. Kalamazoo  
 Borgman, Mrs. Wallace Kalamazoo  
 Boys, Mrs. C. E. Kalamazoo  
 Brennerman, Mrs. James Galesburg  
 Brown, Mrs. I. W. Kalamazoo  
 Burbidge, Mrs. Earl Parchment  
 Chrest, Mrs. C. P. Kalamazoo  
 Cobb, Mrs. H. R. Kalamazoo  
 Conrad, Mrs. Maynard Kalamazoo  
 Cook, Mrs. R. G. Kalamazoo  
 Cooper, Mrs. Paul Kalamazoo  
 Crane, Mrs. Bart Kalamazoo  
 Crawford, Mrs. Kenneth Kalamazoo  
 Creager, Mrs. R. A. Kalamazoo  
 Cretsinger, Mrs. Francis Kalamazoo  
 DeGroat, Mrs. Albert Kalamazoo  
 Delbert, Mrs. Stewart Kalamazoo  
 DePree, Mrs. H. E. Kalamazoo  
 Dew, Mrs. Robert Kalamazoo  
 Dowd, Mrs. Bernard Kalamazoo  
 Doyle, Mrs. Fred Kalamazoo  
 Estill, Mrs. Don Kalamazoo  
 Fast, Mrs. Ralph Kalamazoo  
 Fath, Mrs. August Kalamazoo  
 Finton, Mrs. Max Kalamazoo  
 Fopeano, Mrs. John Kalamazoo  
 Gerstner, Mrs. Louis Kalamazoo  
 Green, Mrs. Wm. Kalamazoo  
 Gregg, Mrs. Sherman Kalamazoo  
 Grekin, Mrs. Robert Kalamazoo

Hammer, Mrs. John Kalamazoo  
 Hayner, Mrs. Russell Kalamazoo  
 Herbert, Mrs. Walter Richland  
 Hildreth, Mrs. Roscoe Kalamazoo  
 Hodgman, Mrs. A. B. Kalamazoo  
 Hoebeke, Mrs. W. Kalamazoo  
 Howard, Mrs. Grant Kalamazoo  
 Hubbell, Mrs. Reader Kalamazoo  
 Irwin, Mrs. Wm. Kalamazoo  
 Jackson, Mrs. Howard Kalamazoo  
 Jennings, Mrs. W. O. Kalamazoo  
 Klerk, Mrs. Wm. Kalamazoo  
 Lavender, Mrs. Howard Kalamazoo  
 Light, Mrs. R. U. Kalamazoo  
 Light, Mrs. S. R. Kalamazoo  
 Littig, Mrs. John Kalamazoo  
 Locklin, Mrs. W. Kalamazoo  
 MacGregor, Mrs. John Parchment  
 Machin, Mrs. Harold Kalamazoo  
 Malone, Mrs. James Kalamazoo  
 Margolis, Mrs. Fred Kalamazoo  
 Marshall, Mrs. Don Kalamazoo  
 Marshall, Mrs. Wm. Kalamazoo  
 Martens, Mrs. Irwin Kalamazoo  
 Morter, Mrs. R. A. Kalamazoo  
 Nell, Mrs. Edward Kalamazoo  
 Nibelink, Mrs. Benj. Kalamazoo  
 Patmos, Mrs. Martin Kalamazoo  
 Pearson, Mrs. O. E. Kalamazoo  
 Peelen, Mrs. Wm. Kalamazoo  
 Prothro, Mrs. W. B. Kalamazoo  
 Rigerink, Mrs. Gerald Kalamazoo  
 Rockwell, Mrs. Donald Kalamazoo  
 Ryan, Mrs. F. P. Kalamazoo  
 Scholten, Mrs. Roger Kalamazoo  
 Schrier, Mrs. C. M. Kalamazoo  
 Scott, Mrs. Wm. Kalamazoo  
 Shook, Mrs. Ralph Kalamazoo  
 Siemsen, Mrs. W. Kalamazoo  
 Sisk, Mrs. Wilfred Kalamazoo

Smith, Mrs. T. C. Kalamazoo  
 Sofen, Mrs. M. B. Kalamazoo  
 Southworth, Mrs. Maynard Schoolcraft  
 Stryker, Mrs. Homer Kalamazoo  
 Upjohn, Mrs. Gifford Kalamazoo  
 Upjohn, Mrs. L. N. Kalamazoo  
 VanderVelde, Mrs. Kenneth Kalamazoo  
 Verhage, Mrs. M. D. Kalamazoo  
 Volderauer, Mrs. John Kalamazoo  
 Warnke, Mrs. R. D. Kalamazoo  
 Williamson, Mrs. Edwin Kalamazoo  
 Youngs, Mrs. C. A. Kalamazoo

### Associate Members

Bond, Mrs. Glenn Kalamazoo  
 Cortland, Mrs. Geo. Kalamazoo  
 Hailman, Mrs. H. F. Kalamazoo  
 Heyl, Mrs. F. W. Kalamazoo  
 Schreiber, Mrs. Richard Kalamazoo

### Emeritus Members

Barnebee, Mrs. James Kalamazoo  
 Burns, Mrs. J. T. Kalamazoo  
 Collins, Mrs. W. E. Kalamazoo  
 Crum, Mrs. Leo Richland  
 DenBlyker, Mrs. Walter Kalamazoo  
 DeWitt, Mrs. Leslie Kalamazoo  
 Fulkerson, Mrs. C. B. Kalamazoo  
 Grant, Mrs. F. E. Kalamazoo  
 Hobbs, Mrs. E. J. Galesburg  
 Hoyt, Mrs. Wilbur Paw Paw  
 Nook, Mrs. E. J. Kalamazoo  
 Osborne, Mrs. C. E. Vicksburg  
 Pratt, Mrs. F. A. Kalamazoo  
 Shackleton, Mrs. W. E. Kalamazoo  
 Shepard, Mrs. B. A. Kalamazoo  
 Snyder, Mrs. Roscoe Kalamazoo  
 VanUrk, Mrs. Thomas Florida  
 Wilbur, Mrs. E. P. Kalamazoo  
 Youngs, Mrs. A. S. Kalamazoo  
 Jackson, Mrs. John B. Kalamazoo

## Kent County

Aitken, Mrs. George T. Grand Rapids  
 Albers, Mrs. G. Donald Grand Rapids  
 Andre, Mrs. Harvey M. Grand Rapids  
 Avery, Mrs. Noyes L., Jr. Grand Rapids  
 Baert, Mrs. George H. Grand Rapids  
 Baker, Mrs. A. J. Grand Rapids  
 Ballard, Mrs. M. S. Grand Rapids  
 Balyeat, Mrs. Gordon W. Grand Rapids  
 Batts, Mrs. Martin Grand Rapids  
 Beaton, Mrs. James H. Grand Rapids  
 Beeman, Mrs. Carl B. Grand Rapids  
 Beets, Mrs. W. Clarence Grand Rapids  
 Bell, Mrs. C. M. Grand Rapids  
 Benjamin, Mrs. Howard G. Grand Rapids  
 Benson, Mrs. Roland R. Grand Rapids  
 Blackburn, Mrs. Henry M. Grand Rapids  
 Blossom, Mrs. P. W. Grand Rapids  
 Boelkins, Mrs. Richard C. Grand Rapids  
 Boersma, Mrs. Donald Grand Rapids  
 Boet, Mrs. John T. Grand Rapids  
 Bosch, Mrs. Leon C. Grand Rapids  
 Brace, Mrs. Fred C. Grand Rapids

Brink, Mrs. J. Russell Grand Rapids  
 Brook, Mrs. J. D. Grandville  
 Buist, Mrs. Samuel J. Grand Rapids  
 Bull, Mrs. Frank Sparta  
 Burroughs, Mrs. Frank, Jr. Grandville  
 Butler, Mrs. William J. Grand Rapids  
 Campbell, Mrs. Alexander Grand Rapids  
 Carpenter, Mrs. Luther C. Grand Rapids  
 Cayce, Mrs. William Grand Rapids  
 Chandler, Mrs. Donald Grand Rapids  
 Colvin, Mrs. W. G. Grand Rapids  
 Corbus, Mrs. Burton R. Grand Rapids  
 Crane, Mrs. Harold Grand Rapids  
 Cuncannon, Mrs. Edw. M. Grand Rapids  
 Currier, Mrs. Fred P. Grand Rapids  
 Damstra, Mrs. Harold J. Grand Rapids  
 Davis, Mrs. David B. Grand Rapids  
 Dean, Mrs. Alfred Grand Rapids  
 DeBoer, Mrs. Clarence J. Grand Rapids  
 DeBoer, Mrs. Guy W. Grand Rapids  
 DeMaagd, Mrs. Gerald Rockford  
 DeMol, Mrs. Richard Grand Rapids

Denham, Mrs. R. H. Grand Rapids  
 DePree, Mrs. Joe Grand Rapids  
 DeVel, Mrs. Leon Grand Rapids  
 DeVries, Mrs. Daniel Grand Rapids  
 Dewey, Mrs. Kent A. Grand Rapids  
 Diskey, Mrs. Donald Grand Rapids  
 Dixon, Mrs. Willis L. Grand Rapids  
 Doctor, Mrs. Luebert Grand Rapids  
 Droste, Mrs. James Grand Rapids  
 Ducey, Mrs. E. F. Grand Rapids  
 Eaton, Mrs. Robert M. Grand Rapids  
 Eggleston, Mrs. H. R. Grand Rapids  
 Fahlund, Mrs. Geo. T. R. Grand Rapids  
 Failing, Mrs. John F. Grand Rapids  
 Farber, Mrs. Charles E. Grand Rapids  
 Faust, Mrs. L. W. Grand Rapids  
 Fellows, Mrs. Kenneth Grand Rapids  
 Ferguson, Mrs. James Grand Rapids  
 Ferguson, Mrs. Lynn A. Grand Rapids  
 Ferguson, Mrs. Ward S. Grand Rapids  
 Ferrand, Mrs. L. G. Rockford  
 Fitts, Mrs. Ralph L. Grand Rapids

## ROSTER

Flynn, Mrs. J. Donald.....Grand Rapids  
 Foshee, Mrs. J. C.....Grand Rapids  
 Frantz, Mrs. Charles H.....Grand Rapids  
 Fuller, Mrs. E. Hemingway.....Grand Rapids  
 Fuller, Mrs. William J.....Grand Rapids  
 Gamm, Mrs. Kenneth E.....Grand Rapids  
 Gibbs, Mrs. Floyd F.....Grand Rapids  
 Gilbert, Mrs. R. H.....Grand Rapids  
 Gillett, Mrs. O. H.....Grand Rapids  
 Grant, Mrs. Lee O.....Grand Rapids  
 Grass, Mrs. Edward J.....Grand Rapids  
 Gray, Mrs. Fred B.....Grand Rapids  
 Griffith, Mrs. Lucian S.....Grand Rapids  
 Haack, Mrs. William.....Grand Rapids  
 Hagerman, Mrs. David B.....Grand Rapids  
 Hake, Mrs. William F.....Grand Rapids  
 Heetderks, Mrs. Dewey R.....Grand Rapids  
 Henry, Mrs. James.....Grand Rapids  
 Hill, Mrs. A. Morgan.....Ada  
 Hodgen, Mrs. John T.....Grand Rapids  
 Hoff, Mrs. Albertus.....Grand Rapids  
 Holcomb, Mrs. J. Winslow.....Grand Rapids  
 Hollander, Mrs. Stephen.....Grand Rapids  
 Hoogerhyde, Mrs. Jack.....Grand Rapids  
 Hufford, Mrs. A. Ray.....Grand Rapids  
 Humphrey, Mrs. James C.....Grand Rapids  
 Hyland, Mrs. William A.....Grand Rapids  
 Ireland, Mrs. H. D.....Grand Rapids  
 Jack, Mrs. William.....Grand Rapids  
 Jameson, Mrs. Fred.....Grand Rapids  
 Jaracz, Mrs. Walter J.....Grand Rapids  
 Jarvis, Mrs. Charles.....Grand Rapids  
 Jellema, Mrs. John F.....Holland  
 Jones, Mrs. Horace C.....Grand Rapids  
 Johnston, Mrs. William L.....Grand Rapids  
 Kelly, Mrs. Edward F.....Grand Rapids  
 Klaus, Mrs. C. D.....Grand Rapids  
 Kniskern, Mrs. Paul W.....Grand Rapids  
 Kooistra, Mrs. Henry P.....Grand Rapids  
 Kreulen, Mrs. Henry J.....Grand Rapids  
 Lentini, Mrs. Joseph.....Grand Rapids  
 Loeffers, Mrs. Harry.....Grand Rapids  
 Lillie, Mrs. Walter.....Grand Rapids  
 List, Mrs. Carl.....Grand Rapids  
 MacIntyre, Mrs. Dugald S.....Grand Rapids  
 Marsh, Mrs. J. P.....Grand Rapids  
 Martinus, Mrs. Martin.....Grand Rapids  
 Maurits, Mrs. Reuben.....Grand Rapids  
 McCandless, Mrs. Robt. J.....Grand Rapids  
 McCormick, Mrs. J. K.....Grand Rapids  
 McDougal, Mrs. William J.....Grand Rapids  
 McKenna, Mrs. Joseph L.....Grand Rapids  
 McKinlay, Mrs. Leland.....Ada

Meade, Mrs. Richard.....Grand Rapids  
 Meeuwse, Mrs. Bernard.....Grand Rapids  
 Miller, Mrs. J. D.....Grand Rapids  
 Miller, Mrs. J. J.....Marne  
 Mitchell, Mrs. W. B.....Grand Rapids  
 Moleski, Mrs. Joseph.....Grand Rapids  
 Moleski, Mrs. Leo.....Grand Rapids  
 Moll, Mrs. A. M.....Grand Rapids  
 Montgomery, Mrs. John.....Grand Rapids  
 Mouw, Mrs. Dirk.....Grand Rapids  
 Mulder, Mrs. G. Arthur.....Grand Rapids  
 Mulder, Mrs. J. D.....Grand Rapids  
 Murphy, Mrs. Miles.....Grand Rapids  
 Nanzig, Mrs. Reinard.....Grand Rapids  
 Nickel, Mrs. Kenneth.....Grand Rapids  
 Northouse, Mrs. Peter B.....Grand Rapids  
 Notier, Mrs. Victor A.....Grand Rapids  
 Oliver, Mrs. W. W.....Rockford  
 Olson, Mrs. John.....Grand Rapids  
 Paalman, Mrs. Russell G.....Grand Rapids  
 Patterson, Mrs. P. W.....Grand Rapids  
 Payne, Mrs. C. Allen.....Grand Rapids  
 Pearson, Mrs. Glenn A.....Grand Rapids  
 Pedden, Mrs. John.....Grand Rapids  
 Plekker, Mrs. J. D.....Grand Rapids  
 Posthuma, Mrs. Albert.....Grand Rapids  
 Pott, Mrs. A. L.....Grand Rapids  
 Pyle, Mrs. Henry J.....Grand Rapids  
 Ragsdale, Mrs. L. V.....Grand Rapids  
 Ralph, Mrs. L. Paul.....Grand Rapids  
 Rasmussen, Mrs. Rich. A.....Grand Rapids  
 Reames, Mrs. Harold.....Grand Rapids  
 Reed, Mrs. Torrance.....Grand Rapids  
 Reus, Mrs. William.....Grand Rapids  
 Rigterink, Mrs. John W.....Grand Rapids  
 Riley, Mrs. George L.....Grand Rapids  
 Robbins, Mrs. John H.....Grandville  
 Robinson, Mrs. H. C.....Grand Rapids  
 Rodgers, Mrs. William.....Grand Rapids  
 Rosenzweig, Mrs. Leonard.....Grand Rapids  
 Roth, Mrs. Emil.....Grand Rapids  
 Ryan, Mrs. John.....Grand Rapids  
 Schaubel, Mrs. Howard J.....Grand Rapids  
 Schermerhorn, Mrs. L. J.....Grand Rapids  
 Schnoor, Mrs. Elmer W.....Grand Rapids  
 Schuitema, Mrs. Don. M.....Grand Rapids  
 Scott, Mrs. William B.....Grand Rapids  
 Sevensma, Mrs. E. S.....Grand Rapids  
 Sevey, Mrs. Leon E.....Grand Rapids  
 Shellman, Mrs. M. W.....Grand Rapids  
 Shepard, Mrs. B. H.....Lowell  
 Sibers, Mrs. B. H.....Grand Rapids  
 Sidell, Mrs. Chester.....Grand Rapids  
 Sidell, Mrs. Richard H.....Grand Rapids

Slemons, Mrs. C. C.....Grand Rapids  
 Sluyter, Mrs. J. S.....Grand Rapids  
 Smith, Mrs. A. B.....Grand Rapids  
 Smith, Mrs. R. Earle.....Grand Rapids  
 Smith, Mrs. Robert B.....Grand Rapids  
 Snapp, Mrs. Carl F.....Grand Rapids  
 Snyder, Mrs. C. H.....Grand Rapids  
 Southwick, Mrs. G. H.....Grand Rapids  
 Steffensen, Mrs. W. H.....Grand Rapids  
 Stonehouse, Mrs. G. G.....Grand Rapids  
 Stover, Mrs. Virgil E.....Grand Rapids  
 Stuart, Mrs. G. J.....Grand Rapids  
 Swenson, Mrs. Harold G.....Grand Rapids  
 Ten Have, Mrs. John.....Grand Rapids  
 Tesseine, Mrs. A. J.....Grand Rapids  
 Thompson, Mrs. Edw. C.....Grand Rapids  
 Thompson, Mrs. Frank D.....Grand Rapids  
 Thomson, Mrs. John W.....Frank Rapids  
 Tidey, Mrs. Marcus B.....Grand Rapids  
 Tiffany, Mrs. Joseph.....Grand Rapids  
 Torgerson, Mrs. Wm. R.....Grand Rapids  
 Troug, Mrs. C. Peter.....Ada  
 Uthoff, Mrs. Carl.....Grand Rapids  
 VanBelois, Mrs. H. J.....Grand Rapids  
 Van Bree, Mrs. Raym. S.....Grand Rapids  
 Van DenBerg, Mrs. Allison.....Grand Rapids  
 VandenBerg, Mrs. Henry.....Grand Rapids  
 VanderPloeg, Mrs. William.....Grand Rapids  
 VanDuine, Mrs. Henry J.....Grand Rapids  
 VanNoord, Mrs. G. A.....Grand Rapids  
 VanPernis, Mrs. Paul A.....Grand Rapids  
 VanSolkema, Mrs. Andrew.....Grand Rapids  
 VanWoerkom, Mrs. Daniel.....Grand Rapids  
 VanZwahlenberg, Mrs. B. R.....Grand Rapids  
 Veldman, Mrs. H. J.....Grand Rapids  
 Venema, Mrs. Jay R.....Grand Rapids  
 Vining, Mrs. Keats K., Jr.....Grand Rapids  
 Vis, Mrs. William R.....Grand Rapids  
 Warmenhoven, Mrs. S.....Grand Rapids  
 Wells, Mrs. Merrill.....Grand Rapids  
 Weller, Mrs. Keith E.....Grand Rapids  
 Wenger, Mrs. John N.....Coopersville  
 Wilkes, Mrs. John B.....Grand Rapids  
 Willits, Mrs. Paul.....Grand Rapids  
 Winter, Mrs. G. E.....Grand Rapids  
 Wright, Mrs. John Mill.....Grand Rapids  
 Wurz, Mrs. John F.....Grand Rapids  
 Yared, Mrs. J. A.....Grand Rapids  
 Yegge, Mrs. John.....Kent City

### Honorary Members

Irwin, Mrs. Thomas C.....Grand Rapids  
 Wenger, Mrs. A. Verne.....Grand Rapids

## Lapeer County

Biggs, Mrs. Robert.....North Branch  
 Bishop, Mrs. Clare.....Almont  
 Chapin, Mrs. Clarence.....Columbiaville  
 Dorland, Mrs. Clarke.....Lapeer  
 Doty, Mrs. James.....Lapeer  
 Lass, Mrs. Edward.....Lapeer  
 McBride, Mrs. John.....Lapeer  
 Mertz, Mrs. Henry G.....Lapeer  
 O'Brien, Mrs. Daniel.....Lapeer

Rehn, Mrs. Adolph.....Lapeer  
 Smith, Mrs. Glenn.....Imlay City  
 Thomas, Mrs. J. Orville.....North Branch  
 Zemmer, Mrs. Harry.....Lapeer  
 Zolliker, Mrs. Carl.....Imlay City

### Associate Members

Best, Mrs. Ada.....Lapeer

Braidwood, Mrs. Saddle.....Lapeer  
 Hunter, Miss Frances.....Lapeer  
 Hunter, Miss Mary Ellen.....Lapeer  
 Kiehle, Mrs. Anna.....Lapeer  
 Thompson, Mrs. May.....Lapeer  
 Snowman, Mrs. Lynna.....Lapeer

### Honorary Member

Kay, Mrs. Wm.....Lapeer

## Macomb County

Banting, Mrs. Oswald F.....Richmond  
 Barker, Mrs. John G.....St. Clair Shores  
 Bower, Mrs. Allen B.....Armada  
 Brady, Mrs. Milo J.....Detroit  
 Bryce, Mrs. James W.....Centerline  
 Buckley, Mrs. Daniel J.....Mt. Clemens  
 Crawford, Mrs. Alphonse M.....Rochester  
 Croman, Mrs. Joseph M.....Mt. Clemens  
 Dudzinski, Mrs. Edm. J. New Baltimore  
 Engels, Mrs. John.....Richmond  
 Hartmann, Mrs. W. B.....Mt. Clemens  
 Heine, Mrs. Austin W.....Mt. Clemens

Kane, Mrs. William J.....Mt. Clemens  
 Lynch, Mrs. Russell E.....Grosse Pointe  
 Moore, Mrs. George.....Mt. Clemens  
 Mulligan, Mrs. Philip T.....Mt. Clemens  
 Persson, Mrs. G. A.....Mt. Clemens  
 Reichman, Mrs. Joseph J.....Mt. Clemens  
 Reitzel, Mrs. Rufus H.....Mt. Clemens  
 Revere, Mrs. Joseph O.....Mt. Clemens  
 Rivard, Mrs. Charles F.....St. Clair Shores  
 Salot, Mrs. Russell F.....Mt. Clemens  
 Siegfried, Mrs. Edward G.....Mt. Clemens  
 Smith, Mrs. Milton C.....Mt. Clemens

Stryker, Mrs. Oscar D.....St. Clair Shores  
 Sturm, Mrs. Frederick A.....Grosse Pointe  
 Thompson, Mrs. Alfred A.....Mt. Clemens  
 Ullrich, Mrs. Russell W.....Mt. Clemens  
 Wellard, Mrs. Henry C.....New Baltimore  
 Whitley, Mrs. Alec.....St. Clair Shores  
 Wiley, Mrs. Duncan Bruce.....Utica  
 Wolfson, Mrs. Victor H.....Mt. Clemens  
 Wyte, Mrs. Wm. C.....Mt. Clemens

### Honorary Member

Peltier, Mrs. Stanley J.....Mt. Clemens

## Manistee County

Dart, Mrs. Ralph.....Manistee  
 Grant, Mrs. Charles L.....Manistee  
 Hansen, Mrs. Ernest C.....Manistee  
 Konopa, Mrs. John F.....Manistee  
 McLarty, Mrs. Madge.....Manistee

MacMullen, Mrs. Bernadine.....Manistee  
 Miller, Mrs. Ernest B.....Manistee  
 Norconk, Mrs. Ward.....Bear Lake  
 Oakes, Mrs. Ellery A.....Manistee  
 Ogilvie, Mrs. Gordon D.....Manistee

Osborn, Mrs. Samuel.....Manistee  
 Ramsdell, Mrs. Homer A.....Manistee  
 Ramsdell, Mrs. Louise C.....Manistee  
 Rowe, Mrs. Robert E.....Manistee  
 Switzer, Mrs. L. W.....Manistee

## Mason County

Bacon, Mrs. H. G.....Scottville  
 Boldyreff, Mrs. Ephraim B.....Custer  
 Boone, Mrs. A. Floyd.....Ludington  
 Hoffman, Mrs. Howard B.....Ludington

Martin, Mrs. William S.....Ludington  
 Ostrander, Mrs. Robert A.....Ludington  
 Paukstis, Mrs. Charles A.....Ludington

Scott, Mrs. Robert R.....Ludington  
 Slaybaugh, Mrs. J. C.....Ludington  
 Spencer, Mrs. C. M.....Scottville  
 Switzer, Mrs. George A.....Ludington

## ROSTER

### Marquette-Alger Counties

Acocks, Mrs. James R.....Marquette  
Barron, Mrs. B. C.....Munising  
Bennett, Mrs. Arthur K.....Marquette  
Bennett, Mrs. Matthew C.....Marquette  
Bolito, Mrs. T. Boyd.....Marquette  
Bottom, Mrs. Charles N.....Marquette  
Burke, Mrs. Richard A.....Palmer

Casler, Mrs. Wilbur L.....Marquette  
Cooperstock, Mrs. Moses.....Marquette  
Erickson, Mrs. A. N.....Ishpeming  
Green, Mrs. Southgate J.....Gwinn  
Keskey, Mrs. George.....Marquette  
Knudson, Mrs. George.....Negaunee

Lambert, Mrs. Warren C.....Marquette  
McCann, Mrs. Neal J.....Marquette  
McIntyre, Mrs. Don.....Ishpeming  
Narotzky, Mrs. Archie.....Ishpeming  
Nicholson, Mrs. John B.....Marquette  
Wickstrom, Mrs. George B.....Munising  
Youngquist, Mrs. Lloyd L.....Marquette

### Mecosta-Osceola-Lake Counties

Bruggema, Mrs. Jacob.....Evart  
Chess, Mrs. Leo F.....Reed City  
Campbell, Mrs. J. B.....Big Rapids  
Franklin, Mrs. Benjamin.....Remus  
Ivkovich, Mrs. Paul.....Reed City  
Kelsey, Mrs. Lee F.....Lakeview

Kowaleski, Mrs. Edw.....Remus  
Kilmer, Mrs. David.....Reed City  
Kilmer, Mrs. Paul B.....Reed City  
Marston, Mrs. L. L.....Lakeview  
Miller, Mrs. Chas. S.....Big Rapids

Mitchell, Mrs. Harold C.....Big Rapids  
Nelson, Mrs. Lorenzo.....Baldwin  
Treyner, Mrs. Thomas P.....Big Rapids  
Van Auker, Mrs. Edw.....Big Rapids  
Yeo, Mrs. Gordon H.....Big Rapids  
White, Mrs. J. A.....Big Rapids

### Menominee County

Bruckardt, Mrs. H. R.....Menominee  
Dewane, Mrs. J. N.....Menominee  
Dewane, Mrs. F. J.....Menominee  
Jones, Mrs. W. S., Jr.....Menominee  
Jones, Mrs. W. S., Sr.....Menominee

Heidenreich, Mrs. J. R.....Daggett  
Higley, Mrs. R. A.....Menominee  
Peterson, Mrs. A. R.....Daggett  
Sweany, Mrs. S. K.....Powers  
Towey, Mrs. J. W.....Powers

Whitmarsh, Mrs. Thos.....Stephenson  
Glickman, Mrs. L. C.....Marinette, Wis.  
Kerwell, Mrs. K. C.....Stephenson  
Kaye, Mrs. J. T.....Menominee  
Sethney, Mrs. H. T.....Menominee

### Midland County

Ballmer, Mrs. Robert.....Midland  
Berneir, Mrs. Joseph.....Sanford  
Blackhurst, Mrs. Robert.....Midland  
Bowsher, Mrs. Robert.....Midland  
Bulmer, Mrs. Dan.....Midland  
Buskirk, Mrs. Maurice.....Midland  
Carsons, Mrs. Adah.....Midland  
Gay, Mrs. Harold.....Midland

Gordon, Mrs. Harold.....Midland  
Gronemeyer, Mrs. William.....Midland  
High, Mrs. Florence.....Midland  
Howe, Mrs. Irwin.....Midland  
Ittner, Mrs. Martin.....Midland  
Kaasa, Mrs. Laurin.....Midland  
Kilian, Mrs. John.....Midland  
Lansborough, Mrs. Hester.....Midland

Linsenman, Mrs. Karl.....Midland  
MacCallum, Mrs. Charles.....Midland  
Maynard, Mrs. William.....Coleman  
Meisel, Mrs. Edward.....Midland  
Pike, Mrs. Melvin.....Midland  
Poznak, Mrs. Leonard.....Midland  
Sherk, Mrs. Joseph.....Midland  
Sjolander, Mrs. G.....Midland

### Monroe County

Barker, Mrs. V. L.....Monroe  
Blakey, Mrs. L. C.....Monroe  
Bond, Mrs. W. W.....Monroe  
Cigany, Mrs. Zoltan B.....Carleton  
Dusseau, Mrs. S.V.....Erie  
Ewing, Mrs. R. T.....Monroe  
Flanders, Mrs. J. P.....Monroe  
Frery, Mrs. R. A.....Monroe

Freud, Mrs. John W.....Monroe  
Gelhaus, Mrs. Wm. J.....Monroe  
Hunter, Mrs. M. A.....Monroe  
Kelso, Mrs. S. Newton, Jr.....Monroe  
Labeau, Mrs. Edward.....Ida  
Lammers, Mrs. Gerald.....Ida  
Landon, Mrs. H. W.....Monroe  
Long, Mrs. Edgar C.....Ida

McDonald, Mrs. T. A.....Ida  
Newcomer, Mrs. Sheldon R.....Ida  
Reisig, Mrs. Albert H.....Ida  
Sanger, Mrs. E. J.....Monroe  
Siffer, Mrs. J. J.....Monroe  
Tellman, Mrs. H. Clay.....Muskegon  
Wagar, Mrs. Spencer.....Ida  
Williams, Mrs. Robert J.....Ida

### Muskegon County

August, Mrs. Ralph V.....Spring Lake  
Beers, Mrs. Charles W.....Muskegon  
Benedict, Mrs. Arthur L.....Muskegon Hts.  
Bolthouse, Mrs. Robert.....Muskegon  
Boyd, Mrs. Devere R.....Muskegon  
Bradshaw, Mrs. Park S.....North Muskegon  
Christopherson, Mrs. James.....Muskegon  
Clapp, Mrs. Henry.....Muskegon  
Clark, Mrs. Harry.....Muskegon  
Closz, Mrs. Harold.....Muskegon  
Dasler, Mrs. Adolph F.....Muskegon  
Derezinski, Mrs. C. F.....Wolf Lake  
Dykhuizen, Mrs. Harold.....Muskegon  
Ellis, Mrs. Nicholas J.....Muskegon  
Emerick, Mrs. Robert W.....Muskegon  
Fleischmann, Mrs. Chas. B.....Muskegon  
Fleishman, Mrs. Norman.....Muskegon  
Gaikema, Mrs. E. W.....North Muskegon  
Hagen, Mrs. William.....Muskegon  
Hannum, Mrs. Frank W.....Muskegon

Harryman, Mrs. James.....Muskegon  
Hartwell, Mrs. S. W.....Muskegon  
Heneveld, Mrs. Edward H.....Muskegon  
Heneveld, Mrs. John.....Muskegon  
Heneveld, Mrs. Robert G.....Muskegon  
Holly, Mrs. Leland.....Muskegon  
Joistad, Mrs. Arthur.....North Muskegon  
Kane, Mrs. Thomas J.....Muskegon  
Kerr, Mrs. Howard J.....Muskegon  
LaFollette, Mrs. William.....Muskegon  
Lange, Mrs. Eugene.....Wolf Lake  
Lapham, Mrs. Landon.....Whitehall  
Lauretti, Mrs. Emil J.....Muskegon  
LeFevre, Mrs. Louis.....North Muskegon  
LeFevre, Mrs. William.....Muskegon  
McNair, Mrs. John.....Muskegon Heights  
Medema, Mrs. Paul.....Muskegon  
Meengs, Mrs. Marvin.....Muskegon  
Morford, Mrs. Fred.....Muskegon  
Mulligan, Mrs. Allen.....Muskegon  
Prentice, Mrs. Edward W.....Muskegon

Risk, Mrs. Robert D.....Muskegon  
Scholle, Mrs. Norbert.....Muskegon  
Sears, Mrs. Richard.....Muskegon  
Shebesta, Mrs. Emil.....Muskegon  
Smith, Mrs. M. Luther.....Muskegon  
Swenson, Mrs. Leland.....Muskegon  
Tellman, Mrs. H. Clay.....Muskegon  
Thornton, Mrs. E. S.....North Muskegon  
Tyler, Mrs. William.....North Muskegon  
Vander Laan, Mrs. John.....Muskegon  
VanGelder, Mrs. William C.....Muskegon  
Wagenaar, Mrs. Edward H.....Muskegon  
Walker, Mrs. George.....Muskegon  
White, Mrs. Warren C.....Muskegon  
Wiersma, Mrs. Silas C.....Muskegon  
Wildgen, Mrs. Bernard.....Muskegon  
Wilson, Mrs. Pitt.....Muskegon  
Gillard, Mrs. James L.....Muskegon  
Griffith, Mrs. Robert M.....Muskegon  
Loder, Mrs. Louis L.....Muskegon

### Newaygo County

Black, Mrs. Benjamin.....Holton  
Geerlings, Mrs. Lambert.....Fremont  
Geerlings, Mrs. Willis.....Fremont

Harris, Mrs. Dean W.....Fremont  
Klein, Mrs. J. Paul.....Fremont

Masters, Mrs. Brooker L.....Fremont  
O'Neill, Mrs. John.....Fremont  
Tompsett, Mrs. Arthur.....Hesperia

### Northern Michigan Counties

Albi, Mrs. R. J.....Boyne City  
Allen, Mrs. R. F.....Petoskey  
Alm, Mrs. Bernard.....Petoskey  
Barrett, Mrs. John.....Petoskey  
Conkle, Mrs. G. C.....Boyne City

Conti, Mrs. Joseph.....Petoskey  
Conway, Mrs. Wm.....Petoskey  
Grate, Mrs. L. E.....Charlevoix  
Kirk, Mrs. T. R.....Petoskey  
Lilga, Mrs. H. V.....Petoskey

Litzenburger, Mrs. Albert.....Boyne City  
McClintock, Mrs. Robert.....Petoskey  
Saltonstall, Mrs. G. B.....Charlevoix  
Savory, Mrs. John.....East Jordan  
Terr, Mrs. Isaac.....Charlevoix

### North Central County

Boehm, Mrs. John D.....West Branch  
Clippert, Mrs. C. G.....Grayling  
Coulter, Mrs. K. D.....Gladwin

Gehman, Mrs. J. R.....Fairview  
Hasty, Mrs. Earl.....West Branch  
Hayes, Mrs. L. F.....Grayling

Henig, Mrs. B. Elmore.....Grayling  
Hoenig, Mrs. Andrew.....Mancelona  
Jardine, Mrs. Hugh M.....West Branch

## ROSTER

Keyport, Mrs. C. R. .... Grayling  
Libke, Mrs. R. S. .... Gaylord  
Martzowka, Mrs. M. .... Roscommon

McKillop, Mrs. Gordon. .... Gaylord  
Peckham, Mrs. R. C. .... Gaylord  
Schaiberger, Mrs. George. .... West Branch  
Stealey, Mrs. Stanley. .... Grayling

Timreck, Mrs. H. A. .... Gladwin  
Crandall, Mrs. C. H. .... West Branch  
Beeby, Mrs. R. J. .... West Branch

### Oakland County

Abbott, Mrs. Vernon C. .... Pontiac  
Arnkoff, Mrs. Harry. .... Pontiac  
Aschenbrenner, Mrs. Zac. .... Farmington  
Baker, Mrs. Frederick A. .... Pontiac  
Baker, Mrs. Robert. .... Pontiac  
Bannow, Mrs. R. J. .... Pontiac  
Barker, Mrs. Alvin S. .... Bloomfield Hills  
Bauer, Mrs. Ernest. .... Hazel Park  
Beebe, Mrs. Willard E. .... Pontiac  
Belknap, Mrs. Warren. .... Royal Oak  
Blakeney, Mrs. James R. .... Pontiac  
Brooks, Mrs. A. L. .... Pontiac  
Brown, Mrs. Arnold. .... Pontiac  
Bradley, Mrs. E. L. .... Pontiac  
Bullard, Mrs. R. W. .... Drayton Plains  
Burgess, Mrs. Charles M. .... Pleasant Ridge  
Burke, Mrs. Chauncey G. .... Birmingham  
Campbell, Mrs. M. D. .... Pleasant Ridge  
Cobb, Mrs. Leon. .... Pontiac  
Collins, Mrs. E. F. .... Pontiac  
Cudney, Mrs. Ethan B. .... Pontiac  
Dahlgren, Mrs. Carl W. .... Pontiac  
Deutsch, Mrs. Wm. L. .... Huntington Wds.  
Dobski, Mrs. Edwin J. .... Pontiac  
Dunlap, Mrs. Gregg L. .... Pontiac  
Durocher, Mrs. N. E. .... Pontiac  
Ekeland, Mrs. C. T. .... Pontiac  
Feicks, Mrs. Wm. .... Birmingham  
Fink, Mrs. L. Jerome. .... Pontiac  
Garnsbauer, Mrs. Ferdinand. .... Pontiac  
Gately, Mrs. C. R. .... Pontiac  
Gates, Mrs. Edward M. .... Birmingham  
Gehring, Mrs. Norman F. .... Pontiac

Gerls, Mrs. Frank B. .... Pontiac  
Gill, Mrs. Mathew J. .... Pontiac  
Hackett, Mrs. Daniel J. .... Pontiac  
Harsh, Mrs. Robert C. .... Pontiac  
Hendren, Mrs. Owen S. .... Birmingham  
Hershey, Mrs. Lynn. .... Birmingham  
Howlett, Mrs. E. V. .... Pontiac  
Hoyt, Mrs. D. F. .... Pontiac  
Hubert, Mrs. John R. .... Bloomfield Hills  
Kemp, Mrs. Felix J. .... Pontiac  
Koehler, Mrs. William. .... Royal Oak  
Lahti, Mrs. Paul T. .... Royal Oak  
Lewis, Mrs. Sol N. .... Ferndale  
Markle, Mrs. J. Q. .... Royal Oak  
Markly, Mrs. J. M. .... Pontiac  
McConkie, Mrs. J. P. .... Birmingham  
McNeill, Mrs. H. H. .... Pontiac  
Mohas, Mrs. Constantine. .... Pontiac  
Mercer, Mrs. Frank A. .... Pontiac  
Miller, Mrs. H. L. .... Royal Oak  
Mitchell, Mrs. B. M. .... Pontiac  
Morton, Mrs. James. .... Birmingham  
Monroe, Mrs. John. .... Pontiac  
Murtha, Mrs. A. W. .... Pontiac  
Neafie, Mrs. C. A. .... Pontiac  
Nosanchuk, Mrs. James. .... Pontiac  
Palmer, Mrs. Hayden. .... Pontiac  
Payton, Mrs. Charles F. .... Royal Oak  
Petroff, Mrs. George. .... Pontiac  
Porritt, Mrs. Ross. .... Pontiac  
Riker, Mrs. Aaron D. .... Pontiac  
Russell, Mrs. V. P. .... Pleasant Ridge

Ruva, Mrs. Joseph. .... Pontiac  
Sheffield, Mrs. L. S. .... Pontiac  
Shadley, Mrs. M. L. .... Pontiac  
Simpson, Mrs. E. K. .... Pontiac  
Smith, Mrs. Donald S. .... Pontiac  
Spoehr, Mrs. Eugene. .... Pleasant Ridge  
Spencer, Mrs. L. H. .... Ferndale  
Spohn, Mrs. Earle. .... Royal Oak  
Stahl, Mrs. Harold. .... Oxford  
Stageman, Mrs. John. .... Clarkston  
Stanley, Mrs. W. F. .... Pleasant Ridge  
Steinberg, Mrs. N. W. .... Huntington Woods  
Sutton, Mrs. Palmer. .... Royal Oak  
Tolle, Mrs. Charles S. .... Birmingham  
Tuck, Mrs. Raymond. .... Pontiac  
Uloth, Mrs. Milton. .... Ortonville  
Van Haltern, Mrs. H. L. .... Pontiac  
Wigent, Mrs. Ralph. .... Pontiac  
Williams, Mrs. John P. .... Pontiac  
Cefai, Mrs. A. F. .... Pontiac  
Endress, Mrs. Zac. F. .... Pontiac  
Olsen, Mrs. Richard. .... Pontiac  
Foust, Mrs. Earl W. .... Birmingham  
Whitehouse, Mrs. John. .... Pontiac  
Haddock, Mrs. Douglas. .... Pontiac  
Cobb, Mrs. Thomas. .... Pontiac  
Darling, Mrs. C. G. .... Bloomfield Hills  
Lowery, Mrs. A. S. .... Pontiac  
Boucher, Mrs. Roman. .... Royal Oak  
Crissman, Mrs. H. G. .... Ferndale  
Prather, Mrs. F. .... Pontiac  
Riggs, Mrs. Harry. .... Pontiac  
Schuneman, Mrs. Howard. .... Royal Oak

### Ottawa County

Stobbelaar, Mrs. B. .... Grand Haven  
Beernink, Mrs. D. .... Grand Haven  
Bloemendal, Mrs. W. B. .... Grand Haven  
DeYoung, Mrs. F. .... Grand Haven

Kemme, Mrs. G. J. .... Holland  
Nykamp, Mrs. R. .... Holland  
Tappen, Mrs. W. .... Holland  
Ten Have, Mrs. R. .... Grand Haven

Wells, Mrs. K. .... Grand Haven  
Groat, Mrs. F. .... Grand Haven  
Rypkema, Mrs. W. .... Grand Haven  
Vander Berg, Mrs. E. .... Holland

### Saginaw County

Ackerman, Mrs. Gerald L. .... Saginaw  
Anderson, Mrs. William K. .... Saginaw  
Bishop, Mrs. H. Mortimer. .... Saginaw  
Brender, Mrs. Frederick P. .... Frankenmuth  
Brock, Mrs. William H. .... Saginaw  
Bruton, Mrs. Martin F. .... Saginaw  
Bucklin, Mrs. Robert. .... Saginaw  
Button, Mrs. Aaron C. .... Bridgeport  
Bullington, Mrs. Bert M. .... Saginaw  
Busch, Mrs. Frank J. .... Saginaw  
Butler, Mrs. Milton G. .... Saginaw  
Cady, Mrs. Frederick J. .... Saginaw  
Cambridge, Mrs. Vernal W. .... Saginaw  
Cameron, Mrs. Allan K. .... Saginaw  
Campbell, Mrs. Lloyd A. .... Saginaw  
Chisena, Mrs. Peter R. .... Bridgeport  
Clayton, Mrs. Archer A. .... Saginaw  
Cortopassi, Mrs. Andre J. .... Saginaw  
Cortopassi, Mrs. Vital E. .... Saginaw  
Cory, Mrs. Charles W. .... Saginaw  
Curtis, Mrs. James H. .... Saginaw  
Durman, Mrs. Donald C. .... Saginaw  
Ely, Mrs. Cecil W. .... Saginaw  
Gage, Mrs. David P. .... Saginaw  
Galsterer, Mrs. Edwin C. .... Saginaw  
Gardner, Mrs. Joseph H. .... Saginaw  
Gomon, Mrs. Louis D. .... Saginaw  
Hand, Mrs. Eugene A. .... Saginaw  
Harvie, Mrs. Lloyd C. .... Saginaw  
Heavenrich, Mrs. Robert M. .... Saginaw  
Helmkamp, Mrs. Herbert O. .... Saginaw  
Hester, Mrs. Eustace G. .... Saginaw  
Hill, Mrs. Victor L. .... Saginaw  
Howell, Mrs. Donald M. .... Saginaw  
Jaenichen, Mrs. Robert. .... Saginaw  
James, Mrs. John W. .... Saginaw  
Jiroch, Mrs. Ralph S. .... Saginaw  
Johnstone, Mrs. K. T. .... Saginaw

Keller, Mrs. S. S. .... Saginaw  
Kemp, Mrs. John. .... Saginaw  
Kempston, Mrs. Rockwell M. .... Saginaw  
Kerr, Mrs. William B. .... Saginaw  
Keyes, Mrs. James T. .... Birch Run  
Kickham, Mrs. Edward F. .... Saginaw  
Kolesar, Mrs. Robert C. .... Saginaw  
Kowals, Mrs. Francis V. .... Saginaw  
Kretschmer, Mrs. Thomas V. .... Saginaw  
La Porte, Mrs. Lawrence A. .... Saginaw  
Leitch, Mrs. Arthur E. .... Saginaw  
Ling, Mrs. Kenneth. .... Hemlock  
Lohr, Mrs. Oliver W. .... Saginaw  
Luger, Mrs. Frederick E. .... Saginaw  
Lurie, Mrs. Robert. .... Saginaw  
Lyle, Mrs. Richard C. .... Bridgeport  
Mac Kinnon, Mrs. Edwin D. .... Saginaw  
Mac Meekin, Mrs. James W. .... Saginaw  
Manning, Mrs. John E. .... Saginaw  
Markey, Mrs. Francis L. .... Saginaw  
Markey, Mrs. Joseph P. .... Saginaw  
Martzowka, Mrs. William P. .... Saginaw  
Mathews, Mrs. Harry C. .... Saginaw  
Maurer, Mrs. John A. .... Saginaw  
Maurer, Mrs. J. G., Sr. .... Saginaw  
Mayne, Mrs. Harold E. .... Saginaw  
McKinney, Mrs. Alexander R. .... Saginaw  
McLandress, Mrs. Joshua A. .... Saginaw  
Meyer, Mrs. Henry J. .... Bridgeport  
Mikan, Mrs. V. Robert. .... Saginaw  
Miller, Mrs. Glenn F. .... Saginaw  
Moon, Mrs. A. Raymond. .... Saginaw  
Morgette, Mrs. Leonard J. .... Saginaw  
Morris, Mrs. K. M. .... Saginaw  
Mudd, Mrs. Richard D. .... Saginaw  
Murphy, Mrs. Albert P. .... Saginaw  
Murray, Mrs. Charles R. .... Saginaw  
Murray, Mrs. Morris J. .... Saginaw  
Nelson, Mrs. Oscar A. .... Saginaw

Northway, Mrs. Robert O. .... Saginaw  
Novy, Mrs. Frank O. .... Saginaw  
Olson, Mrs. Carl Porter. .... Saginaw  
Ostrander, Mrs. Frank W. .... Freeland  
Phillips, Mrs. Homer A. .... Saginaw  
Pietz, Mrs. Frederick. .... Saginaw  
Potvin, Mrs. Clifford D. .... Saginaw  
Powers, Mrs. Robert F. .... Saginaw  
Richards, Mrs. Ned W. .... Saginaw  
Richter, Mrs. E. P. .... Saginaw  
Richter, Mrs. Harry J. .... Saginaw  
Rushin, Mrs. David B. .... Saginaw  
Ryan, Mrs. Michael D. .... Saginaw  
Ryan, Mrs. Richard S. .... Saginaw  
Sample, Mrs. John T. .... Saginaw  
Sargent, Mrs. Donald V. .... Saginaw  
Sharp, Mrs. Martin C. .... Saginaw  
Sheldon, Mrs. Suel A. .... Saginaw  
Siler, Mrs. Delbert E. .... Saginaw  
Skowronski, Mrs. Casimer A. .... Saginaw  
Stahly, Mrs. Edward H. .... Saginaw  
Stander, Mrs. Aaron C. .... Saginaw  
Stewart, Mrs. George W. .... Saginaw  
Sulfridge, Mrs. Hugh L., Jr. .... Saginaw  
Thompson, Mrs. Arthur B. .... Saginaw  
Tiedke, Mrs. Gunther E. .... Saginaw  
Topp, Mrs. Elwin W. .... Saginaw  
Toshach, Mrs. Clarence E. .... Saginaw  
Volk, Mrs. Vladimir K. .... Saginaw  
Watson, Mrs. Roy S. .... Saginaw  
Westlund, Mrs. Norman. .... Saginaw  
Wright, Mrs. Edwin M. .... Saginaw  
Vntema, Mrs. Stuart. .... Saginaw  
Grigg, Mrs. Arthur P. .... Saginaw  
Schultz, Mrs. F. R. .... Chesaning

#### Associate Members

Hubinger, Mrs. H. L. .... Saginaw  
Weeks, Mrs. E. G. .... Saginaw

### Sanilac County

Bennett, Mrs. Wm. .... Brown City  
Blanchard, Mrs. Ernest. .... Deckerville  
Gift, Mrs. Weldon A. .... Marlette  
Hart, Mrs. Robert. .... Crosswell

McCrea, Mrs. John. .... Marlette  
McGuegle, Mrs. K. T. .... Sandusky  
Muir, Mrs. Neil. .... Crosswell

Tweedie, Mrs. Evans. .... Sandusky  
Tweedie, Mrs. Martin. .... Sandusky  
Seager, Mrs. M. Cole. .... Brown City  
Webster, Mrs. J. C. .... Marlette

## ROSTER

### Shiawassee County

Arnold, Mrs. A. L.....Owosso  
Bennett, Mrs. George.....Elsie  
Brown, Mrs. Richard.....Owosso  
Brown, Mrs. R. W.....Grand Rapids  
Brown, Mrs. R. J.....Owosso  
Buzzard, Mrs. W. D.....Chesaning  
Dillon, Mrs. T. J.....Perry  
Elliott, Mrs. Bruce.....Owosso

Harkness, Mrs. C. A.....Owosso  
Hoshal, Mrs. Vern.....Durand  
Hume, Mrs. Nina B.....Owosso  
Janci, Mrs. Julius.....Owosso  
Merz, Mrs. Walter.....Owosso  
Mitchell, Mrs. A. B.....Owosso  
Pochert, Mrs. R. C.....Owosso

Purcell, Mrs. S. L.....Owosso  
Richards, Mrs. Chester.....Durand  
Sackrider, Mrs. Nora.....Owosso  
Sahlmark, Mrs. Joseph F.....Owosso  
Slagh, Mrs. E. N.....Elsie  
Smith, Mrs. Louise.....Ovid  
Weinkauf, Mrs. Wm.....Corunna  
Weston, Mrs. Claude.....Owosso

### St. Clair County

Banting, Mrs. Kenneth.....Port Huron  
Battley, Mrs. J. S. C.....Port Huron  
Beck, Mrs. Frank.....Port Huron  
Beers, Mrs. Jos.....St. Clair  
Benjamin, Mrs. Clayton.....Port Huron  
Borden, Mrs. Charles.....Port Huron  
Bottomley, Mrs. Thomas.....Port Huron  
Boughner, Mrs. Walter.....Algonac  
Bowden, Mrs. Wm.....Marine City  
Cleland, Mrs. Wm.....Port Huron  
Clifford, Mrs. Robert.....St. Clair  
Clyne, Mrs. B. C.....Yale  
Fitzgerald, Mrs. E. W.....Port Huron  
Gholz, Mrs. Anthony.....Port Huron

Gilmore, Mrs. John R.....Port Huron  
Hazeldine, Mrs. Herbert.....Port Huron  
Holcomb, Mrs. R. J.....Marine City  
Hoyt, Mrs. Charles.....Port Huron  
Kahn, Mrs. Oscar.....Capac  
Koch, Mrs. Donald.....Port Huron  
LeGalley, Mrs. Kenneth.....Port Huron  
Ludwig, Mrs. Fred.....Port Huron  
McCoy, Mrs. Leslie.....Port Huron  
Martin, Mrs. Clyde.....Port Huron  
Meredith, Mrs. Evert.....Port Huron  
Novak, Mrs. Walter.....Port Huron  
Patterson, Mrs. Dorsey.....Port Huron  
Pollock, Mrs. Donald.....Port Huron  
Ryerson, Mrs. Wm. W.....Port Huron

Sanderson, Mrs. Jos.....Port Huron  
Schaefer, Mrs. Waldo.....Port Huron  
Sites, Mrs. Edgar.....Port Huron  
Thomas, Mrs. Charles.....Port Huron  
Townley, Mrs. Charles.....Port Huron  
Treadgold, Mrs. Douglas.....Port Huron  
Ulmer, Mrs. Arthur.....Port Huron  
Wass, Mrs. H. C.....St. Clair  
Wetzel, Mrs. John.....St. Clair  
Wheeler, Mrs. Margaret.....Port Huron  
Wilson, Mrs. Norman.....Marine City  
Waters, Mrs. George.....Port Huron  
Callery, Mrs. A. L.....Detroit  
Bovee, Mrs. H. E.....Port Huron

### Tuscola County

Adams, Mrs. DeWitt.....Caro  
Ballard, Mrs. J. H.....Cass City  
Cook, Mrs. Raymond.....Akron  
Donahue, Mrs. T. H.....Cass City

Gugino, Mrs. Frank.....Reese  
Morris, Mrs. F. L.....Cass City  
Nigg, Mrs. Herbert.....Caro  
Pelczar, Mrs. Walter E.....Unionville

Savage, Mrs. Lloyd.....Caro  
Starmann, Mrs. Bernard.....Cass City  
Swanson, Mrs. E. C.....Vassar  
Tazelaar, Mrs. Myron.....Cass City

### St. Joseph County

Berg, Mrs. Lawrence.....Sturgis  
Blood, Mrs. John.....Three Rivers  
Braham, Mrs. Wilbur.....Sturgis  
Brunson, Mrs. Allen.....Sturgis  
Cook, Mrs. Ernest.....Three Rivers  
Emory, Miss Blanche.....Sturgis  
Fiegel, Mrs. S. Albert.....Sturgis  
Fortner, Mrs. Roscoe.....Three Rivers

Kane, Mrs. D. M.....Sturgis  
Lepard, Mrs. Olin.....Sturgis  
O'Dell, Mrs. Charles.....Three Rivers  
Olney, Mrs. Harold.....Leonidas  
Parrish, Mrs. M. F.....Sturgis  
Pennington, Mrs. Harry.....White Pigeon  
Penzotti, Mrs. Stanley.....Three Rivers  
Porter, Mrs. Clark.....Three Rivers

Reed, Mrs. Fred.....Three Rivers  
Robinson, Mrs. Fred.....Sturgis  
Shaw, Mrs. George.....Three Rivers  
Sheldon, Mrs. John.....Sturgis  
Slote, Mrs. Leal K.....Constantine  
Springer, Mrs. Russel.....Centreville  
Tesar, Mrs. Frank.....Centreville  
Zimont, Mrs. Ray.....Constantine

### Washtenaw County

Alexander, Mrs. John.....Ann Arbor  
Allen, Mrs. Arthur.....Ann Arbor  
Atchison, Mrs. R. M.....Northville  
Badgley, Mrs. Carl.....Ann Arbor  
Barr, Mrs. Albert.....Ann Arbor  
Bassow, Mrs. Paul.....Ann Arbor  
Bauer, Mrs. Gerhard.....Ann Arbor  
Beebe, Mrs. Hugh.....Ann Arbor  
Belote, Mrs. George.....Ann Arbor  
Belsler, Mrs. Walter.....Ann Arbor  
Benz, Mrs. Alvin.....Ann Arbor  
Campbell, Mrs. Darrell.....Ann Arbor  
Cawley, Mrs. Edward.....Ann Arbor  
Coller, Mrs. Frederick.....Ann Arbor  
Crook, Mrs. Clarence.....Ann Arbor  
Cummings, Mrs. Howard.....Ann Arbor  
Curtis, Mrs. Arthur C.....Ann Arbor  
De Jong, Mrs. Russell.....Ann Arbor  
De Tar, Mrs. John S.....Milan  
Dingman, Mrs. Reed.....Ann Arbor  
Dolfin, Mrs. W. E.....Ann Arbor  
Engelke, Mrs. Otto.....Ann Arbor  
Falls, Mrs. Harold.....Ann Arbor  
Fink, Mrs. George.....Ann Arbor  
Fralick, Mrs. Bruce.....Ann Arbor  
Francis, Mrs. Thomas.....Ann Arbor  
French, Mrs. A. J.....Ann Arbor  
Frey, Mrs. Carl.....Ann Arbor  
Frost, Mrs. Lyle.....Ypsilanti  
Furstenberg, Mrs. Albert C.....Ann Arbor

Ganzhorn, Mrs. Edwin.....Ann Arbor  
Gates, Mrs. John.....Ann Arbor  
Gates, Mrs. Niel.....Ann Arbor  
Gotz, Mrs. Alexander.....Ann Arbor  
Grawn, Mrs. Frank.....Ypsilanti  
Greenway, Mrs. Guerdon.....Ypsilanti  
Haas, Mrs. Reynold.....Ann Arbor  
Hagerman, Mrs. George.....Ann Arbor  
Hannum, Mrs. M. R.....Milan  
Harris, Mrs. Bradley.....Ypsilanti  
Harris, Mrs. Scott.....Ypsilanti  
Henderson, Mrs. John.....Ann Arbor  
Himler, Mrs. Leonard.....Ann Arbor  
Hodges, Mrs. F. G.....Ann Arbor  
House, Mrs. Frederick.....Ann Arbor  
Howard, Mrs. Stacy.....Ann Arbor  
Ideson, Mrs. Robert.....Ann Arbor  
Kambley, Mrs. Arnold.....Ann Arbor  
Keene, Mrs. Clifford.....Ann Arbor  
Kemper, Mrs. John.....Ann Arbor  
Kretschmar, Mrs. Norman.....Ann Arbor  
La Fever, Mrs. Sidney.....Ann Arbor  
Lashmet, Mrs. Floyd.....Ann Arbor  
Martin, Mrs. D. W.....Ypsilanti  
Maxwell, Mrs. James.....Ann Arbor  
McEachern, Mrs. Thos.....Ann Arbor  
Millford, Mrs. Albert.....Ypsilanti  
Muehlig, Mrs. George.....Ann Arbor  
Myers, Mrs. Dean.....Ann Arbor  
Newton, Mrs. Charles.....Ann Arbor  
Obenauf, Mrs. Walter.....Ypsilanti

O'Conner, Mrs. Sylvester.....Ann Arbor  
Patterson, Mrs. Ralph.....Ann Arbor  
Peet, Mrs. Max M.....Ann Arbor  
Pollard, Mrs. Marvin.....Ann Arbor  
Quilligan, Mrs. J. J.....Ann Arbor  
Ratliff, Mrs. R. K.....Ann Arbor  
Riecker, Mrs. Herman.....Ann Arbor  
Riggs, Mrs. Harold.....Ann Arbor  
Robinson, Mrs. Wm. D.....Ann Arbor  
Ross, Mrs. C. Howard.....Ann Arbor  
Sayre, Mrs. George.....Ypsilanti  
Schumacher, Mrs. W. E.....Ann Arbor  
Scoville, Mrs. Henry.....Ypsilanti  
Seever, Mrs. M. H.....Ann Arbor  
Seime, Mrs. Reuben.....Ypsilanti  
Sheldon, Mrs. John M.....Ann Arbor  
Sink, Mrs. Emory.....Ann Arbor  
Spears, Mrs. Clarence.....Ypsilanti  
Sturgis, Mrs. Cyrus C.....Ann Arbor  
Teed, Mrs. R. Wallace.....Ann Arbor  
Towsley, Mrs. Harry A.....Ann Arbor  
Waggoner, Mrs. Raymond W.....Ann Arbor  
Wessinger, Mrs. John.....Ann Arbor  
Westover, Mrs. Charles.....Plymouth  
Wetterstroem, Mrs. R.....Northville  
Williams, Mrs. Howard.....Ann Arbor  
Williamson, Mrs. Frederick.....Ypsilanti  
Wilson, Mrs. James.....Ann Arbor  
Woods, Mrs. J. J.....Ypsilanti  
Zerbi, Mrs. Victor.....Willow Village

### Wayne County

Adams, Mrs. Jas. R.....Dearborn  
Akroyd, Mrs. C. A.....Detroit  
Albrecht, Mrs. Herman F.....Detroit  
Aldrich, Mrs. Gordon E.....Detroit  
Alles, Mrs. Russell W.....Detroit  
Amos, Mrs. T. Grover.....Detroit  
Anderson, Mrs. Bruce.....Pontiac  
Andries, Mrs. George H.....Detroit  
Arehart, Mrs. Burke W.....Grosse Pointe  
Ashe, Mrs. Stilson R.....Dearborn  
Ashley, Mrs. L. Byron.....Detroit  
Athay, Mrs. Roland M.....Eloise  
August, Mrs. Harry E.....Huntington

Axelson, Mrs. A. U.....Detroit  
Babcock, Mrs. Lloyd K.....Detroit  
Babcock, Mrs. W. W.....Detroit  
Baer, Mrs. George.....Grosse Pointe  
Bagley, Mrs. Harry E.....Dearborn  
Bailey, Mrs. C. C.....Detroit  
Bailey, Mrs. William A.....Dearborn  
Balcerski, Mrs. Matthew.....Grosse Pointe  
Barone, Mrs. Chas. J.....Highland Park  
Barrett, Mrs. Wyman D.....Grosse Pointe  
Bartemeier, Mrs. Leo.....Grosse Pointe  
Bates, Mrs. W. M.....Detroit  
Baumgarten, Mrs. E. C.....Grosse Pointe

Beach, Mrs. Watson.....Grosse Pointe  
Beam, Mrs. A. Duane.....Grosse Pointe  
Beaton, Mrs. Colon.....Pleasant Ridge  
Bell, Mrs. J. Kenner.....Highland Park  
Bentley, Mrs. Neil.....Detroit  
Berlien, Mrs. Ivan C.....Detroit  
Best, Mrs. Edward.....Grosse Pointe  
Betha, Mrs. Hardee.....Detroit  
Bicknell, Mrs. E. A.....Detroit  
Bird, Mrs. H. Waldo.....Grosse Pointe  
Blain, Mrs. Alexander.....Grosse Pointe  
Bookmyer, Mrs. Ralph H.....Detroit  
Braken, Mrs. Andrew H.....Dearborn

# ROSTER

Brines, Mrs. Osborne A. Detroit  
Bringard, Mrs. Elmer. Detroit  
Brooks, Mrs. Clark D. Detroit  
Brough, Mrs. Glen A. Grosse Ile  
Brown, Mrs. Audrey O. Pleasant Ridge  
Brown, Mrs. Chas. H. Wyandotte  
Brown, Mrs. Gordon T. Detroit  
Brown, Mrs. Robert A. Dearborn  
Bruer, Mrs. Edgar S. Allen Park  
Buesser, Mrs. Frederick G. Detroit  
Burgess, Mrs. C. M. Pleasant Ridge  
Burke, Mrs. Ralph M. Grosse Pointe  
Butterworth, Mrs. H. K. Lincoln Park  
Cahalan, Mrs. Joseph L. Wyandotte  
Calkins, Mrs. H. Neill. Detroit  
Callaghan, Mrs. Thomas T. Detroit  
Cameron, Mrs. A. H. Wyandotte  
Campan, Mrs. Geo. Detroit  
Campbell, Mrs. Mac D. Pleasant Ridge  
Candler, Mrs. C. L. Detroit  
Carpenter, Mrs. Claire H. Highland Park  
Garrick, Mrs. Lee. Detroit  
Carter, Mrs. John M. Detroit  
Carter, Mrs. Leland F. Grosse Pointe  
Cavell, Mrs. R. W. Dearborn  
Chall, Mrs. Henry G. Detroit  
Chance, Mrs. Jos. H. Detroit  
Chapin, Mrs. Sidney E. Detroit  
Chipman, Mrs. Willard A. Detroit  
Christensen, Mrs. C. A. Dearborn  
Christopher, Mrs. Jas. G. Detroit  
Clark, Mrs. Harold E. Huntington Wds.  
Clark, Mrs. Robt. B. Grosse Pointe  
Clifford, Mrs. T. P. Detroit  
Clinton, Mrs. Wm. R. Detroit  
Coan, Mrs. Glenn L. Grosse Ile  
Cole, Mrs. Jas. E. Detroit  
Condon, Mrs. S. E. Grosse Pointe  
Connelly, Mrs. Paul J. Detroit  
Connelly, Mrs. Richard C. Grosse Pointe  
Conner, Mrs. Edward. Detroit  
Connolly, Mrs. Frank O. Detroit  
Cook, Mrs. Jas. A. Wyandotte  
Cooks, Mrs. Jas. C. Dearborn  
Cooksey, Mrs. Warren B. Detroit  
Cooper, Mrs. Benj. F. Detroit  
Cooper, Mrs. E. L. Detroit  
Comstock, Mrs. Laurence A. Trenton  
Corbett, Mrs. John J. Grosse Pointe  
Costello, Mrs. Russell T. Pontiac  
Cotruro, Mrs. Louis D. Detroit  
Connors, Mrs. J. J. Detroit  
Cusick, Mrs. Paul. Detroit  
Darling, Mrs. Milton A. Detroit  
Davies, Mrs. Windsor. Grosse Pointe  
Davis, Mrs. E. F. Wyandotte  
Dawson, Mrs. W. A. Inkster  
Deering, Mrs. Robt. J. Grosse Ile  
Delaney, Mrs. Jos. H. North Carolina  
Dempster, Mrs. Jas. H. Detroit  
DeNike, Mrs. A. James. Detroit  
Dennis, Mrs. M. S. Dearborn  
Dittmer, Mrs. E. F. Detroit  
Dixon, Mrs. R. K. Detroit  
Donald, Mrs. Douglas. Detroit  
Doub, Mrs. Howard P. Detroit  
Downer, Mrs. Ira G. Detroit  
Dubois, Mrs. P. W. Detroit  
Dudek, Mrs. John J. Wyandotte  
Dunlap, Mrs. Henry. Grosse Pointe  
Dunn, Mrs. Cornelius E. Detroit  
Dwyer, Mrs. F. W. Detroit  
Easterly, Mrs. Robt. L. Wyandotte  
Edgar, Mrs. Russell G. Dearborn  
Edmondson, Mrs. R. B. Detroit  
Eisman, Mrs. Clarence H. Detroit  
Eldredge, Mrs. Edward F. Detroit  
Elvidge, Mrs. R. J. Detroit  
Erickson, Mrs. Eldon W. Grosse Ile  
Ewing, Mrs. C. H. Grosse Pointe  
Faunce, Mrs. S. P. Detroit  
Felcyn, Mrs. W. G. Detroit  
Fellers, Mrs. R. L. Detroit  
Fenner, Mrs. Wm. G. Detroit  
Fenton, Mrs. R. F. Detroit  
Fisher, Mrs. C. L. Grosse Pointe  
Fisher, Mrs. Geo. S. Detroit  
Fitzgerald, Mrs. J. M. Grosse Pointe  
Flaherty, Mrs. Norman W. Dearborn  
Flaherty, Mrs. S. A. Detroit  
Foote, Mrs. Jas. A. Lincoln Park  
Ford, Mrs. G. A. Detroit  
Ford, Mrs. Sylvester. Detroit  
Foster, Mrs. Wm. L. Detroit  
Fraser, Mrs. E. E. Detroit  
Freeman, Mrs. M. W. Detroit  
Fryogle, Mrs. J. D. Detroit  
Gardner, Mrs. L. W. Detroit  
Garipey, Mrs. L. J. Detroit  
Gaston, Mrs. H. B. Dearborn  
Gaydos, Mrs. L. M. Grosse Pointe  
Gehring, Mrs. H. W. Birmingham  
Geib, Mrs. L. O. Grosse Pointe

Gellert, Mrs. I. S. Detroit  
Gerondale, Mrs. E. J. Detroit  
Gilbert, Mrs. Harold. Wyandotte  
Gitlin, Mrs. Charles. Detroit  
Gittins, Mrs. Persy. Detroit  
Glowacki, Mrs. B. F. Detroit  
Gordon, Mrs. J. W. Detroit  
Gottschalk, Mrs. F. W. Detroit  
Grossman, Mrs. S. C. Detroit  
Goux, Mrs. R. S. Detroit  
Grace, Mrs. J. M. Detroit  
Gravelle, Mrs. L. J. Grosse Pointe  
Greenlee, Mrs. W. T. Detroit  
Guerrero, Mrs. J. Detroit  
Gurdjian, Mrs. E. S. Detroit  
Hall, Mrs. E. W. Detroit  
H'Amada, Mrs. N. K. Detroit  
Hansen, Mrs. F. E. Detroit  
Harm, Mrs. W. B. Detroit  
Harper, Mrs. J. T. Detroit  
Harris, Mrs. H. H. Dearborn  
Hartman, Mrs. Frank W. Detroit  
Hasley, Mrs. C. K. Detroit  
Hastings, Mrs. Orville J. Detroit  
Hauser, Mrs. I. J. Detroit  
Hauser, Mrs. J. E. Detroit  
Havers, Mrs. Howard. Grosse Pointe  
Hawkins, Mrs. J. W. Detroit  
Heldt, Mrs. T. J. Pleasant Ridge  
Henderson, Mrs. L. T. Grosse Pointe  
Herkimer, Mrs. D. R. Lincoln Park  
Heyner, Mrs. S. A. Detroit  
Hickey, Mrs. Joseph. Dearborn  
Hileman, Mrs. Lee. Lincoln Park  
Hillenbrand, Mrs. Alfred E. Grosse Pointe  
Hodoski, Mrs. F. J. Dearborn  
Hoffman, Mrs. E. S. Detroit  
Honor, Mrs. Wm. H. Grosse Ile  
Hookey, Mrs. J. A. Wyandotte  
Hoops, Mrs. Geo. B. Detroit  
Horton, Mrs. R. H. Detroit  
Howard, Mrs. A. Z. Detroit  
Howlett, Mrs. H. T. Detroit  
Hromadko, Mrs. Louis. Detroit  
Hull, Mrs. L. W. Detroit  
Huminski, Mrs. T. S. Detroit  
Hunt, Mrs. T. H. Detroit  
Husband, Mrs. C. W. Detroit  
Husband, Mrs. R. Detroit  
Igna, Mrs. E. J. Detroit  
Insley, Mrs. S. W. Detroit  
Irwin, Mrs. Wm. A. Detroit  
Jaekel, Mrs. C. N. Grosse Pointe  
Jaffar, Mrs. D. J. Detroit  
Jarvis, Mrs. Harold F. Detroit  
Jeffries, Mrs. Benj. Detroit  
John, Mrs. H. R. Pleasant Ridge  
Johnson, Mrs. Ralph A. Detroit  
Johnson, Mrs. Richard M. Wyandotte  
Johnson, Mrs. Vernon P. Grosse Pointe  
Johnson, Mrs. Vincent. Detroit  
Johnston, Mrs. Wm. E. Detroit  
Joinville, Mrs. E. V. Windsor, O.  
Jones, Mrs. R. D. Detroit  
Jordan, Mrs. R. G. Detroit  
Joyce, Mrs. S. J. Detroit  
Jury, Mrs. Donald. Oak Park  
Kasper, Mrs. J. A. Detroit  
Kaump, Mrs. D. H. Detroit  
Keane, Mrs. Wm. E. Grosse Pointe  
Kehoe, Mrs. H. J. Detroit  
Keim, Mrs. Harther L. Grosse Pointe  
Kelley, Mrs. F. J. Grosse Pointe  
Kennary, Mrs. James. Detroit  
Kidner, Mrs. F. C. Grosse Pointe  
King, Mrs. Edward D. Detroit  
King, Mrs. Melbourne J. Detroit  
Kline, Mrs. Starr L. Detroit  
Knaggs, Mrs. Chas. W. Grosse Pointe  
Knapp, Mrs. Byron S. Allen Park  
Knox, Mrs. R. M. Allen Park  
Koebel, Mrs. R. H. Grosse Pointe  
Kokowicz, Mrs. R. J. Detroit  
Krynicky, Mrs. F. X. Detroit  
Kubaneck, Mrs. I. L. Dearborn  
Kulaski, Mrs. Chester H. Detroit  
Kullman, Mrs. H. I. Dearborn  
Kwasiborski, Mrs. Stanley. Detroit  
LaBerge, Mrs. J. M. Wyandotte  
LaMarche, Mrs. N. O. Detroit  
Lampman, Mrs. H. H. Highland Park  
Lang, Mrs. Ernest F. Detroit  
Lange, Mrs. A. H. Detroit  
Lanig, Mrs. Geo. M. Detroit  
Lebamoff, Mrs. A. T. Allen Park  
Ledwidge, Mrs. P. L. Beverly Hills  
Leibinger, Mrs. Henry R. Grosse Pointe  
Lepley, Mrs. F. O. Grosse Pointe  
L'Esperance, Mrs. S. P. Detroit  
Leszynski, Mrs. J. S. Detroit  
Lewis, Mrs. J. H. Wyandotte  
Liddicoat, Mrs. A. G. Detroit  
Lightbody, Mrs. J. J. Detroit

Lilly, Mrs. Chas. J. Detroit  
Lippold, Mrs. Paul H. Detroit  
Lockwood, Mrs. Bruce. Detroit  
Lofstrom, Mrs. J. E. Grosse Pointe  
Longo, Mrs. Salvatore. Grosse Pointe  
Loranger, Mrs. C. B. Grosse Pointe  
Loucks, Mrs. R. E. Farmington  
Lutz, Mrs. E. F. Detroit  
MacGregor, Mrs. W. W. Detroit  
Mackesie, Mrs. Wm. G. Detroit  
MacMullen, Mrs. F. B. Holly  
MacQueen, Mrs. M. D. Detroit  
Maczewski, Mrs. John. Detroit  
Maibauer, Mrs. F. P. Wyandotte  
Maloney, Mrs. John A. Birmingham  
Mancuse, Mrs. Vincent S. Detroit  
Manwaring, Mrs. John T. Royal Oak  
Marsh, Mrs. A. R. Dearborn  
Martin, Mrs. E. G. Detroit  
Martmer, Mrs. E. E. Grosse Pointe  
May, Mrs. F. T. Detroit  
Mayer, Mrs. Ignatz. South Bend, Ind.  
Mayer, Mrs. E. V. Detroit  
McAlonan, Mrs. Wm. T. Detroit  
McClellan, Mrs. G. L. Detroit  
McColl, Mrs. Clarke. Detroit  
McCormick, Mrs. Colin C. Dearborn  
McCormick, Mrs. F. T. Detroit  
McDonald, Mrs. A. L. Grosse Pointe  
McDonald, Mrs. Allan. Detroit  
McGlaughlin, Mrs. N. D. Wyandotte  
McGraw, Mrs. A. B. Grosse Pointe  
McKinnon, Mrs. J. D. Detroit  
Menagh, Mrs. F. R. Detroit  
Merrill, Mrs. Wm. O. Bloomfield Hills  
Miller, Mrs. Thomas H. Detroit  
Minor, Mrs. Edward G. Detroit  
Molnar, Mrs. S. K. Dearborn  
Molner, Mrs. J. G. Detroit  
Monson, Mrs. Robt. C. Detroit  
Murray, Mrs. Wm. A. Detroit  
Meyers, Mrs. Dan W. Grosse Pointe  
Nagle, Mrs. J. W. Grosse Ile  
Nahigian, Mrs. Russell. Detroit  
Newbarr, Mrs. A. A. Detroit  
Normile, Mrs. T. W. Grosse Pointe  
Norton, Mrs. A. B. Detroit  
Novy, Mrs. R. L. Detroit  
O'Donnell, Mrs. C. H. Detroit  
Ohmart, Mrs. G. B. Detroit  
Olmstead, Mrs. Wm. R. Detroit  
Owen, Mrs. C. I. Detroit  
Olmsted, Mrs. Geo. S. Detroit  
Parr, Mrs. Robt. W. Detroit  
Parsons, Mrs. J. P. Grosse Pointe  
Perkins, Mrs. F. S. Grosse Pointe  
Pichette, Mrs. J. W. Dearborn  
Pickard, Mrs. O. W. Detroit  
Pietraszewski, Mrs. A. W. Detroit  
Pino, Mrs. Ralph H. Detroit  
Plaggemeyer, Mrs. H. W. Detroit  
Porretta, Mrs. F. S. Detroit  
Potter, Mrs. L. S. Grosse Pointe  
Priborsky, Mrs. B. H. Detroit  
Price, Mrs. Hazen. Detroit  
Procalio, Mrs. A. B. Dearborn  
Purcell, Mrs. F. H. Grosse Pointe  
Ratigan, Mrs. Carl S. Dearborn  
Reed, Mrs. H. W. Detroit  
Rennell, Mrs. L. P. Detroit  
Reveno, Mrs. Wm. S. Highland Park  
Reyner, Mrs. C. E. Detroit  
Reynolds, Mrs. R. P. Detroit  
Ridge, Mrs. Ralph W. Wyandotte  
Rinkel, Mrs. Robert. Lincoln  
Ritter, Mrs. Frank A. Detroit  
Robb, Mrs. J. M. Grosse Pointe  
Roberts, Mrs. A. J. Lincoln Park  
Roman, Mrs. S. J. Detroit  
Rosbolt, Mrs. O. P. Detroit  
Runge, Mrs. E. F. Dearborn  
Rupp, Mrs. J. R. Detroit  
Ryerson, Mrs. F. S. Detroit  
Sadler, Mrs. Henry, Jr. Grosse Pointe  
Sage, Mrs. Thomas. Grosse Pointe  
Sharp, Mrs. E. A. Grosse Pointe  
St. Louis, Mrs. R. J. River Rouge  
Sawyer, Mrs. H. F. Pleasant Ridge  
Scarney, Mrs. H. D. Detroit  
Schmidt, Mrs. M. R. Trenton  
Schneck, Mrs. R. J. Detroit  
Schroeder, Mrs. Carlisle F. Grosse Ile  
Schulte, Mrs. C. H. Detroit  
Seeley, Mrs. J. B. Dearborn  
Sellers, Mrs. C. W. Detroit  
Sellers, Mrs. Graham. Detroit  
Sewell, Mrs. Geo. Detroit  
Sharrer, Mrs. C. H. Grosse Pointe  
Sherman, Mrs. Wm. L. Detroit  
Sherrin, Mrs. Edgar. Detroit  
Sieber, Mrs. E. H. Dearborn

## ROSTER

Siefert, Mrs. Wm. A.....Detroit  
 Sinclair, Mrs. J. W.....Detroit  
 Singer, Mrs. F. W.....Detroit  
 Sippola, Mrs. Geo. W.....Detroit  
 Slaugenhaupt, Mrs. J. G.....Detroit  
 Slevin, Mrs. John G., Jr.....Grosse Pointe  
 Somers, Mrs. Donald C.....Birmingham  
 Sonda, Mrs. L. P.....Detroit  
 Spademan, Mrs. L. C.....Birmingham  
 Spalding, Mrs. Edward.....Grosse Pointe  
 Stapleton, Mrs. Wm. J.....Detroit  
 Stefani, Mrs. E. L.....Detroit  
 Steinbach, Mrs. Henry B.....Grosse Pointe  
 Spellhorn, Mrs. C. E.....Detroit  
 Sterling, Mrs. R. R.....Pleasant Ridge  
 Stockwell, Mrs. B. W.....Detroit  
 Stockwell, Mrs. Glen W.....Detroit  
 Stone, Mrs. Dayton.....Detroit  
 Straith, Mrs. Claire L.....Detroit  
 Stryker, Dr. Joan C.....Grosse Ile  
 Summers, Mrs. Wm. S.....Detroit  
 Szladek, Mrs. Frank J.....Lincoln Park  
 Tenerowicz, Mrs. R. G.....Detroit  
 Tenaglia, Mrs. Thomas.....Lincoln Park  
 Texter, Mrs. Elmer C.....Detroit  
 Toaz, Mrs. A. B.....Detroit

Tourence, Mrs. Wm.....Wyandotte  
 Townsend, Mrs. F. M.....Grosse Pointe  
 Truba, Mrs. Paul K.....Detroit  
 Turcotte, Mrs. Vincent J.....Grosse Pointe  
 Umphrey, Mrs. C. E.....Detroit  
 Van Rhee, Mrs. Geo.....Detroit  
 Vossler, Mrs. Albert E.....Grosse Pointe  
 Walker, Mrs. R. V.....Detroit  
 Warden, Mrs. H. F.....Dearborn  
 Warren, Mrs. Wadsworth.....Detroit  
 Watson, Mrs. Douglas J.....Detroit  
 Watson, Mrs. Harwood G.....Detroit  
 Watson, Mrs. J. E.....Bloomfield Hills  
 Watts, Mrs. John C.....Detroit  
 Weaver, Mrs. C. E.....Detroit  
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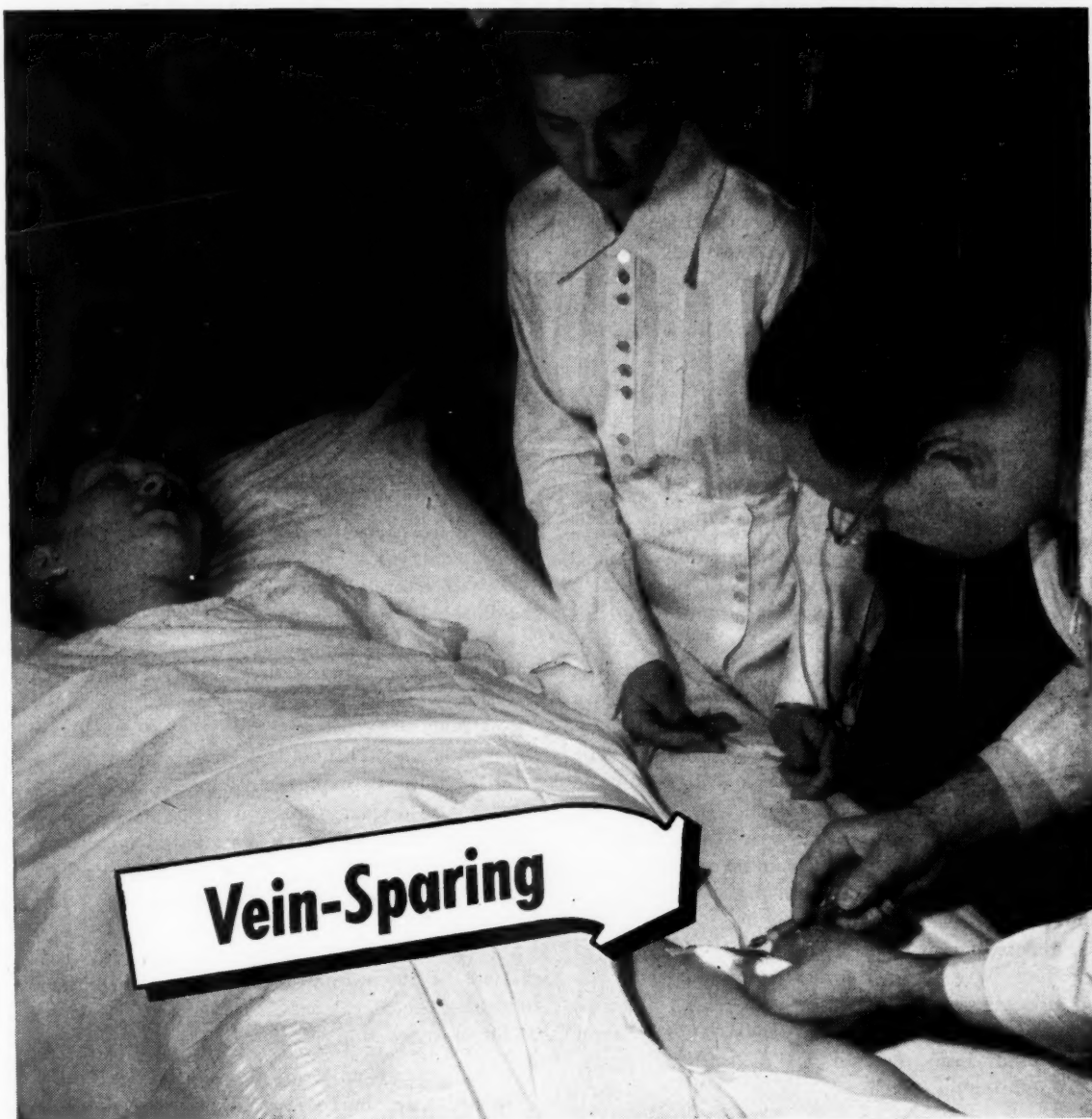
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RESEARCH IN THE SERVICE OF MEDICINE **SEARLE**

# Michigan's Department of Health

Albert E. Heustis, M.D., Commissioner

Thousands of children in thirteen Michigan communities will be provided dental caries prevention treatment at a minimum cost, while fifteen University of Michigan junior dental and dental hygiene students get paid experience in their vocation, this summer.

The summer dental program, utilizing the services of students to apply fluorides to children's teeth, was arranged through the co-operation of the University, the local dentists and health officials, the Michigan State Dental Society and the Michigan Department of Health.

The students were given special training in public health dentistry techniques, the use of portable fluoridization equipment, the preparation of necessary records, the basic public relations at the Michigan Department of Health. They were also given field training in local health departments fluoridization programs.

While conducting the summer program, the students use the Michigan Department of Health's fifteen portable fluoridization units which are used in schools during the rest of the year; they work in school buildings which are not occupied during the summer; and they are supervised by the local dentists of the community who volunteer their time. A minimal charge is made for the fluoridization treatments. This money pays for expendable supplies and the students' cost-of-living stipends. In addition to the cost-of-living stipend and the professional experience, the students benefit by developing skills in conducting community programs, in handling children, and in parent-child-dentist relationships.

Areas which have summer topical sodium fluoride application programs are Shiawassee, Montcalm, Washtenaw, Huron and Ingham counties, Traverse City, Grand Haven, Holland, Flint, Buchanan, Edwardsburg, Battle Creek and Ludington.

Through the co-operation of the Venereal Disease Control Committee of the Michigan State Medical Society and the Michigan Department of Health, a copy of "Diagnosis of Syphilis by the General Practitioner" by Joseph Earl Moore, M.D., of Johns Hopkins University, a reprint from the *Journal of Venereal Disease Information*, is being sent to each practicing physician of the state.

For use in "Little White House" follow-up conferences, PTA meetings, college classes, child health study clubs, et cetera, this Department has acquired an album of twelve-minute excerpts of fifteen speeches made at the Conference, a statement of three Youth Delegates on the theme of the Conference, and a twenty-seven-minute documentary program presenting a running account of events at the Conference meetings. The set includes seven 16-inch double-faced records, 33 $\frac{1}{3}$  rpm. They can be played on standard playback equipment, but the ordinary home record player is not large enough to ac-

commodate them. The excerpts of speeches are from Conference addresses made by President Harry S. Truman, Benjamin Spock, M.D., Katharine Lenroot, Leonard Mayo, General Carlos Romulo, Allison Davis, Margaret Mead, Margaret Price, and others. Requests for the use of the album should be sent as early as possible to Section of Maternal and Child Health.

A revision of the pamphlet "As Your Little Child Eats. . . So Will He Grow" has been prepared by the Section of Nutrition. The leaflet has the approval of the Child Welfare Committee of the Michigan State Medical Society. It will be available in quantities from the local health departments in the near future.

In an effort to arrange for the provision of better public health services for 100,000 Michigan residents in six counties in the sparsely populated Upper Peninsula, the Michigan Department of Health participated in a meeting of members of the six counties' boards of supervisors and other interested people at Michigan College of Mining and Technology, Houghton, May 9 and 10.

District health departments in the area, hampered by inadequate finances and resultant personnel shortages, have been hard pressed to provide adequate basic health services. Tuberculosis, infant mortality, geriatrics and industrial health are of special concern in the counties involved.

The possibility of redistricting the local health jurisdictions of the section to provide broader taxable areas to support the local health services was proposed and is under consideration.

Snake antivenom is stocked in each laboratory of the Michigan Department of Health—in Lansing, Grand Rapids, Houghton and Powers. Physicians of the state may get the product at any time, day or night, by calling the laboratory nearest them. State police will assist in transportation in case of emergency.

This department is advising Michigan parents to send their children to the public beach or pool for their swimming. Of the 159 Michigan people who drowned last year, only seven were swimming at a place set aside or designed for swimming. Lake areas not set aside for swimming, rivers, streams, quarries and gravel pits took the lives of 122 persons.

Many of the newer effective insecticides used by growers and gardeners in Michigan contain parathion, a chemical which can be fatal to humans and to animals alike if improperly used.

This Department has warned Michigan people to read the labels on all insecticides most carefully and to fol-

(Continued on Page 810)

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Supplied in bottles of 100 and 1000 tablets.

Each tablet contains:

Vitamin A	5000 U.S.P. units
Vitamin B <sub>1</sub> (Thiamine, 1 mg.)	333 U.S.P. units
Vitamin D	500 U.S.P. units
Vitamin G (Riboflavin, 2 mg.)	800 Sherman units

### B-Complex (Sugar Coated, Yellow)

Supplied in bottles of 1000 and 5000 tablets.

Each tablet contains:

Thiamine HCl (333 U.S.P. units)	1 mg.
Riboflavin (500 Sherman units)	1.25 mg.
Pyridoxine Hydrochloride	0.5 mg.
Calcium Pantothenate	3.75 mg.
Niacin	15 mg.

### Calcium, Iron & Viosterol (Sugar Coated, Yellow)

Supplied in bottles of 1000 and 5000 tablets, or in bottles of 100 with prescription labels.

Each tablet contains:

Dicalcium Phosphate	4 gr.
Iron Gluconate	1 gr.
Vitamin D (activated Ergosterol)	333 U.S.P. units

### Vitamin C (Ascorbic Acid)

Supplied in bottles of 100 and 1000 tablets.

Each tablet contains:

Ascorbic Acid (5000 U.S.P. units)	250 mg.
-----------------------------------	---------

### Iron & Thiamine (Sugar Coated, Red)

Supplied in bottle of 1000 and 5000 tablets.

Each tablet contains:

Ferrous Sulphate Exsiccated	5 gr.
Thiamine HCl (333 U.S.P. units)	1 mg.

### Livonamine

Supplied in bottles of 1000 and 5000 tablets.

Each tablet represents:

Liver Extract (1-2D)	3 gr.
Ferrous Sulphate Exsiccated	2 gr.
Thiamine HCl (Vitamin B <sub>1</sub> )	1 mg.

### X-tra-Hi (High Potency)

Supplied in bottles of 100 and 1000 capsules.

Each capsule represents:

Vitamin A	25,000 U.S.P. units
Vitamin D (Irradiated Ergosterol)	1,000 U.S.P. units
Vitamin B <sub>1</sub> (Thiamine HCl 10 mg.)	3,330 U.S.P. units
Vitamin B <sub>2</sub> (Riboflavin)	5 mg.
Vitamin C (Ascorbic Acid, 150 mg.)	3,000 U.S.P. units
Niacinamide	150 mg.

### Thiamine Hydrochloride (B<sub>1</sub>)

Supplied in 10 mg., 25 mg., and 50 mg. tablets.

Each bottle contains 1000 tablets.

### Vitamin A (Natural)

Supplied in bottles of 100 and 1000 capsules.

Each capsule contains:

At least 25,000 units of Natural Vitamin A.

### Vitamins A & D (Halibut Liver Oil with Viosterol)

Supplied in bottles of 100 and 1000 capsules.

Each capsule contains:

Vitamin A	5000 U.S.P. units
Vitamin D (Irradiated Ergosterol)	850 U.S.P. units

### Vitamin D

Supplied in bottles of 100 and 1000 capsules.

Each capsule contains:

At least 50,000 U.S.P. units of Vitamin D

### Therapeutic Vitamins with Iron (Sugar Coated, Cream)

Supplied in bottles of 100 and 1000 tablets.

Each tablet contains:

Thiamine HCl (Vitamin B <sub>1</sub> )	10 mg.
Riboflavin (Vitamin B <sub>2</sub> )	5 mg.
Ascorbic Acid (Vitamin C)	100 mg.
Calcium Pantothenate	10 mg.
Niacinamide	100 mg.
Pyridoxine HCl (Vitamin B <sub>6</sub> )	0.5 mg.
Liver Concentrate (represents 70 gr. fresh liver)	130 mg.
Iron Sulfate Exsiccated (represents 30% iron)	65 mg.
with Brewers Yeast	

### Vitamins "8" (Sugar Coated, Pink)

Supplied in bottles of 100 and 1000 tablets.

Each tablet represents:

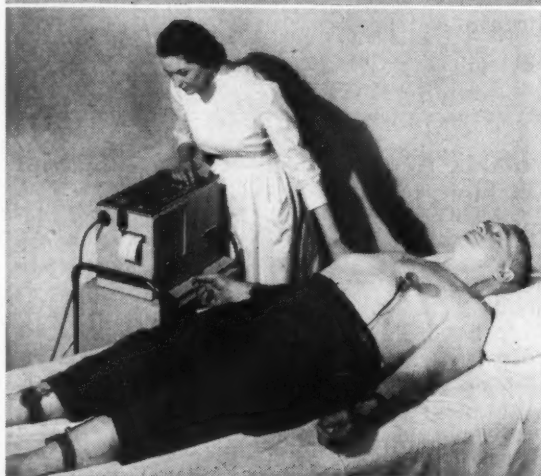
Vitamin A	5000 U.S.P. units
Vitamin D	500 U.S.P. units
Vitamin B <sub>1</sub> (Thiamine, 2 mg.)	666 U.S.P. units
Vitamin B <sub>2</sub> (Riboflavin)	3 mg.
Vitamin C (Ascorbic Acid, 75 mg.)	1500 U.S.P. units
Vitamin B <sub>6</sub> (Pyridoxine HCl)	0.2 mg.
Nicotinamide	20 mg.
Calcium Pantothenate	1 mg.

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*"Electrocardiograms should become part of the routine physical examination of all patients over 40 years of age."*

—Winsor, T.: Electrocardiography for the General Practitioner, GP 3:59-69 (Mar.) 1951.

Make every "routine physical" complete with the —

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— for an immediate and accurate record.

Write for literature.



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(Continued from Page 808)

low directions and precautions exactly. It has also warned that if the label lists parathion and no precautions are attached, the insecticide should not be handled or used until the local health department or county agent has been contacted.

More than 2,500 Michigan school children, whose initial screening tests indicated that they had some hearing loss, have been examined by fifty-seven practicing otologists of the state who have co-operated with the Michigan Department of Health in its Hearing Conservation Program.

The Water Resources Commission will conduct a limited program of beach application of copper sulphate for swimmers' itch control this summer. Requests for assistance should be addressed to Lloyd Gouine, Supervisor, Swimmers Itch Control Program, Conservation Department Headquarters, Boyne City.

To answer a steady influx of questions regarding the advisability of giving Michigan children immunization treatment for diphtheria, whooping cough, and tetanus, or booster shots, during the late summer poliomyelitis season, the Michigan Department of Health issued this statement June 12, 1951:

The Michigan Department of Health recommends that the established initial immunization procedure calling for the child's immunization to be underway by six months and completed by his first birthday be continued. Careful studies show that the danger of unprotected children under one year having serious cases of either diphtheria or whooping cough, alone, is much greater than the risk of the infant's contracting paralytic polio.

Some evidence is now accumulating which appears to indicate that there is a greater incidence of paralysis among poliomyelitis victims who have had immunization treatment within a month of the onset of the disease. For this reason, when polio is prevalent in a community, physicians may wish to defer immunization of older children and defer booster doses until after the polio incidence has subsided.

In one study, 97 per cent of monozygous twins, in which both partners had cancer, had lesions at the same site, in contrast to only 50 per cent of the like sexed dizygous twins.

\* \* \*

Of all cancers, retinoblastoma, multiple neuro-fibromatosis, multiple polyposis, and xeroderma pigmentosum are generally agreed to be hereditary.

\* \* \*

A large proportion of the parents of children with xeroderma pigmentosum are blood relatives.

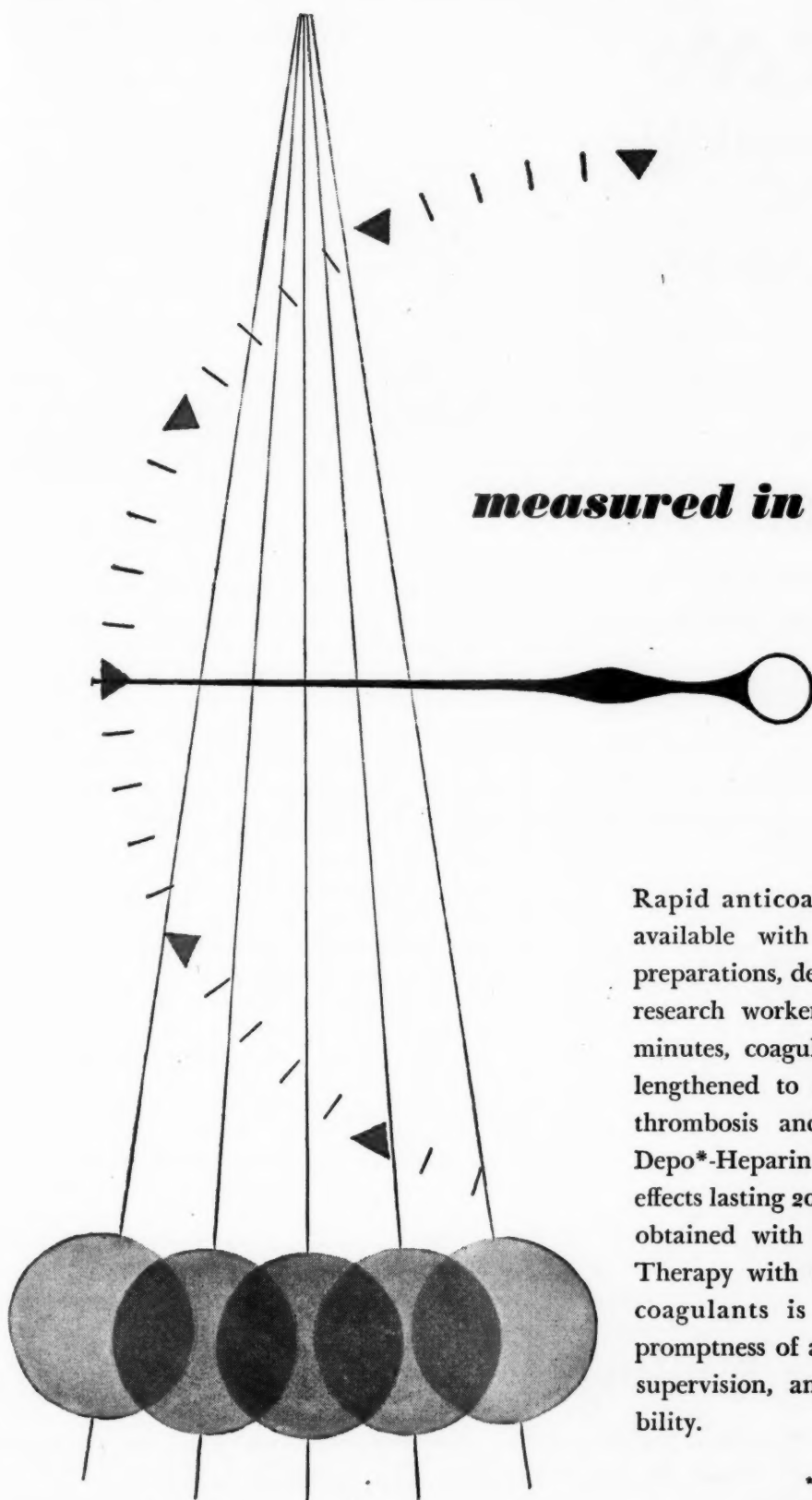
\* \* \*

The polyp is the most common tumor of the large intestine. As many as 10 per cent of the population are thought to have these growths.

\* \* \*

Jaundice often is a symptom of cancer of the bile ducts, of the head of the pancreas or of the liver.

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Rapid anticoagulant effects are available with Heparin Sodium preparations, developed by Upjohn research workers. In a matter of minutes, coagulation time can be lengthened to offset danger from thrombosis and embolism. With Depo\*-Heparin Sodium, prolonged effects lasting 20 to 24 hours may be obtained with a single injection. Therapy with these Upjohn anticoagulants is distinguished by promptness of action, simplicity of supervision, and ready controllability.

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## In Memoriam

**WILLIAM G. WIGHT, M.D.**



"Death Takes Veteran Yale Doctor," was the headline in the *Detroit Free Press*, which noted the passing of this great man on May 28, 1951. No epitaphs or eulogies will ever fittingly describe his services to mankind. He was an example of great Americanism. Dr. Wight lived close to the ideals we teach. This man was a living example of the type of public relations we could

hope for in the practice of medicine.

Dr. Fred Burmell Wight, in speaking of his father, said: "Dad never turned down a call and has rendered service when he himself was sicker than the patient. Many times he knew he would not be paid or at best he would receive a bushel of apples or potatoes. No job was too big or too small."

Dr. Wight was a general practitioner. He was friend, medical advisor, and Father Confessor to many people. He did many things and did them well. No one knows how many babies he delivered. He leaves no accurate records of just how many acute appendicitis cases and other surgical emergencies he has cared for on the kitchen table. Many of his patients brag about the beautiful reduction he accomplished on a broken leg or arm without the use of x-ray or fluoroscope. We regret that adequate statistics are not available, for we believe that a comparison with present-day figures on morbidity and mortality would be surprisingly close. He was but another example of the great fund of knowledge that is necessary to be a general practitioner. It would seem that with present-day facilities available, even in the more rural areas, that all we need is the same type of integrity and desire to serve.

Few doctors will be privileged to serve a community for sixty-one years. Few have the stamina. Many of us lack the inherent tendencies that place service above anything else. If we could but follow the example of this truly great American, then Socialism and all ideologies foreign to our free way of life would be intolerable.

I join with those of my birthplace in mourning the passing of our friend.

C. E. UMPHREY, M.D.

Among physicians, the most important occupational skin cancers are caused by long continued exposure to the roentgen rays during fluoroscopy.

\* \* \*

Over 40 per cent of vesical tumors are found on the floor of the bladder.

\* \* \*

Hematuria is the cardinal symptom in 91 per cent of bladder tumors and is the initial symptom in 70 per cent.





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## Communications

June 7, 1951

Wilfrid Haughey, M.D.  
Editor, Michigan State Medical Journal  
610 Post Bldg.  
Battle Creek, Mich.

Dear Dr. Haughey:

This is an open letter which I feel the urge to write commenting upon a few of the features which I have noticed in many of the recent textbook publications.

These ideas have been gathering for many years and are just now coming to the surface. My reference is to books using numerous illustrations and x-ray reproductions with dogmatic, misleading captions. These captions give bacteriological specificity and microscopic definitions of conditions which cannot in any way be seen on the x-ray film or the reproduction. Captions put forth in such a manner lead the uninitiated to think that the final conclusion was made from the x-ray alone. Nothing could be farther from the truth. All qualified men in the field know this, but a book devoted to the teaching of students and men not versed in radiology leads these men to expect an exactness of diagnosis which x-ray alone cannot give. Granted, most books of this type explain the situation fully in the text, but still, few people read the text exhaustively when perusing a new volume.

My plea is for illustrations bearing captions similar to the following: Pneumonia, which after excluding—, was proved bacteriologically to be Friedlander's bacillus.

Very truly yours,  
G. T. PATRICK, M.D.

William H. Gordon, M.D., Chairman  
MSMS Emergency Medical Service Committee  
Detroit, Michigan

Dear Dr. Gordon:

As Chairman of the MSMS Emergency Medical Service Committee, you will probably be interested to know that the Sault Ste. Marie practice exercise held on April 16 went off very well and that the Chippewa County Medical Society did an excellent job. Practically every member of the County Medical Society was on duty in the various First Aid and medical installations.

As a physician, I cannot help but realize what a good piece of public relations this was and how reassuring to the people of the community.

Earl S. Rhind, M.D., of Sault Ste. Marie, is Chairman of the Chippewa-Mackinac County Emergency Medical Service Committee and was responsible for the fine organization.

Representatives of the Canadian Medical Society also commented to me about the fine co-operation of the County Medical Society.

W. H. Alexander, M.D., of Iron Mountain, was there to observe as a representative of your Committee and it

(Continued on Page 816)

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No restraining measures, nauseants or alcohol reactors are used. On the contrary, treatment is positive and reconstructive, a method which has proved efficacious through seasoned experience.

*Let us help you with one of your problem drinkers. Literature, including rates, will be furnished on request.*

**The KEELEY Institute**  
DWIGHT, ILLINOIS

(Continued from Page 814)

occurred to us that the experience gained by Dr. Rhind in organizing this first test exercise might be of value to your committee if you would care to contact him. He appears to be a good leader and has the personality which inspires other people to co-operate.

With best personal wishes,  
E. FREEMAN HERSEY, M.D., Director  
Medical and Welfare Services  
Michigan Office of Civil Defense  
Lansing, Michigan

April 19, 1951

Wilfrid Haughey, M.D., Editor  
THE JOURNAL OF THE MICHIGAN  
STATE MEDICAL SOCIETY  
Battle Creek, Michigan

Dear Doctor Haughey:

You are to be congratulated upon that fine fiftieth anniversary issue of the MICHIGAN JOURNAL. It is excellent in all respects!

Since our department contributed several articles to the issue we would like to secure extra copies of the magazine. Dr. Lull is much interested in the article about the AMA and our staff wishes copies for circulating and clipping. Can you supply us with 25 extra copies and bill us for the charges? If you cannot send this quantity, please send us a smaller supply.

Congratulations, again, on the event of Michigan Medical Society's fiftieth anniversary.

(Signed) Sincerely yours,  
CAROL TOWNER  
Associate Editor  
PR DOCTOR

May 25, 1951

## RUPTURED PREGNANCY

(Continued from Page 742)

alert and disclaimed any pain or tenderness. While she was under close surveillance some evidences of shock appeared and developed rapidly, and a cul-de-sac "tap" revealed intraperitoneal blood, so a laparotomy was done forthwith. Rupture of a large left cornual pregnancy was found, and there was extrusion of the unruptured membrane sac containing the normal fetus and the attached semi-separated placenta into the peritoneal cavity, the total mass of the sac and the uterus extending well above the umbilicus. A subtotal hysterectomy was performed, and the patient had an uneventful post-operative course.

### References

1. DeNicola, R. Robert, and Petersen, Mare R.: Pregnancy in a rudimentary horn of the uterus. *Am. J. Surg.*, 73: (April) 1947.
2. Dill, L. V., and Martin, Shirley: Assymetry of the uterus in early pregnancy. *Am. J. Obst. & Gynec.*, 60:1324 (Dec.) 1950.



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## NEWS MEDICAL

### MICHIGAN STATE MEDICAL SOCIETY ANNUAL SESSION GRAND RAPIDS—September 26-27-28, 1951

The Arthritis and Rheumatism Foundation is offering research fellowships in the basic sciences related to arthritis. Fellowships will be granted at both the predoctoral and postdoctoral levels. The predoctoral fellowships will range between \$1,500 and \$3,000 per annum, and the postdoctoral from \$3,000 to \$6,000. The deadline for these applications is November 15, 1951. Application forms may be obtained by writing the Medical Director, Arthritis and Rheumatism Foundation, 535 Fifth Avenue, New York 17, N. Y.

\* \* \*

President C. E. Umphrey, M.D., Detroit, addressed a joint meeting of the Macomb County Medical Society and the Macomb County Bar Association in Mt. Clemens on May 22. This meeting, sponsored by the Bar Association, was attended by eighty-one doctors and lawyers. Dr. Umphrey's subject was "Medical Economics in a Changing World."

\* \* \*

Appointment of W. Randolph Lovelace, II, M.D. as chairman of the Armed Forces Medical Policy Council, effective July 1, 1951, was announced on May 8 by the Secretary of Defense, George C. Marshall.

\* \* \*

John B. Kantner has joined the Public Relations staff of the Michigan State Medical Society. He will serve as assistant to Hugh W. Brennehan, Public Relations Counsel. Mr. Kantner was formerly a reporter on the *Monitor-Leader* in Mount Clemens as well as a free-lance radio and television writer for WWJ in Detroit.

Born in Ionia, Michigan, in 1919, he later moved to East Detroit with his parents. Kantner was graduated from East Detroit High School in 1937 and Wayne University in 1948.

He is married and has two children. As a first lieutenant in World War II, he was a bombardier in a B-24 based in Italy.

In 1948, he was one of nine newsmen in the United States to cover the first trans-Atlantic crossing of U. S. Air Force jet planes.

\* \* \*

The Commission on Financing Higher Education, which is backed by the Association of American Universities and financed by grants from the Rockefeller

#### MSMS FELLOWSHIPS IN RHEUMATIC FEVER CONTROL

The first Michigan Doctors of Medicine to receive fellowships, established by the Rheumatic Fever Control Committee of the Michigan State Medical Society for postgraduate study on the treatment of rheumatic fever, are Robert E. Fisher, M.D., of Bay City; Roy D. Tupper, M.D., of Detroit; John C. Montgomery, M.D., of Grand Rapids; and Park S. Bradshaw, M.D., of Muskegon.

These physicians went to the St. Francis Sanatorium on Long Island, N. Y., June 4 for the course which continued through June 15.

The four fellowships were established on the recommendation of Leon DeVel, M.D., medical co-ordinator of the Michigan Rheumatic Fever Control Program, at the May meeting of the Rheumatic Fever Control Committee and subsequently approved by the MSMS Executive Committee of The Council.

Dr. DeVel suggested that four annual special fellowships be used for postgraduate study of Rheumatic Fever and Heart Disease. The applicant must be active in a Rheumatic Fever Control Center for at least a year and signify his intention of continued activity in the program.

The fellowships cover travel, per diem and registration fees. The maximum is set at \$500 for each fellowship.

Foundation and the Carnegie Corporation, recently published a statement on the financial crisis faced by America's medical schools.

From the standpoint of the medical profession, the most important part of the Commission's statement was its expression of disapproval of Senate Bill 337, which would authorize federal grants to accredited medical schools on a per student basis. The Commission's report said:

"Such a change needs much more thought than it has yet had.

"Until it has been clearly demonstrated that other

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sources of support cannot finance medical education, we believe no such great and potentially far-reaching innovation in federal financing should be undertaken.

"If other sources of income fail to provide the kind of medical education this country demands, the American public may insist upon federal government support. The medical education of today, the medical service of tomorrow, and the financial future of many important universities depend upon how this country meets the challenge of more medical school income now.

"Either additional money must be found or universities will have to divorce themselves from medical schools to preserve their other functions, the commission said. Such a solution, however, would be 'unsound' since 'the great advances in medical science come primarily from the medical schools of universities.'"

\* \* \*

The Academy of General Practice of Wayne County publishes an interesting bulletin which has a column entitled "What Do YOU Think?" Among some suggested goals that the Academy might promote to the benefit of its members, is listed the following important item:

"Staggering of days off among members in the same locality, so that the community always has medical care available."

\* \* \*

A total of 209,040 physicians in the continental United States— as of December 15, 1950—is an all-time high record, according to the annual medical licensure report of the American Medical Association. This report indicates an increase of 6,002 to the medical profession in the United States and its possessions last year. Against this there were 3,794 deaths, making a net gain of 2,208 in the M.D. population.

JULY, 1951

The American Medical Association's Clinical Session of 1951—December 4 to 7 inclusive—has been moved to Los Angeles. Due to conflicting meetings, the unavailability of the Coliseum and other considerations, Houston could not be used in 1951.

\* \* \*

The Sixth Annual Postgraduate Course in Diseases of the Chest sponsored by the Council on Postgraduate Medical Education and the Illinois State Chapter of the American College of Chest Physicians, will be presented at the St. Clair Hotel, Chicago, Illinois, September 24 through 28, 1951.

This course will emphasize the recent advancements in the diagnosis and treatment of chest diseases. The course is open to all physicians, but the number of registrants will be limited. Applications will be accepted in the order in which they are received and are to be sent to the American College of Chest Physicians, 112 East Chestnut Street, Chicago 11, Illinois.

\* \* \*

Members of the Woman's Auxiliary to the Ingham County Medical Society entertained wives of state government officials and state legislators at a tea, Monday, April 16, in the Michigan State College Union.

Greeting the 130 guests were Mrs. O. D. Stryker and Mrs. R. S. Breakey, President and President-elect, respectively, of the Woman's Auxiliary to the Michigan State Medical Society, Mrs. J. S. Rozan, President of the

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<b>\$20,000.00 accidental death</b> .....	<b>\$32.00</b>
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Ingham Auxiliary, and Mrs. R. M. Leitch, and Mrs. Martin Bruton, officers of the State Auxiliary.

A special feature of the tea was a program presented on table arrangements by Mrs. C. D. Price who was introduced by Mrs. T. P. VanderZalm.

\* \* \*

**Rant and Rave:** "We didn't realize that doctor's prescriptions were so illegible until we heard of the patient who took the prescription given by his physician and used it for two years as a railroad pass, got him into Madison Square Gardens and Yankee Stadium and then his daughter played it on the piano and won a scholarship to a conservatory of music."—*Detroit Medical News*, May 21, 1951.

\* \* \*

Irvin W. Sander, M.D., Detroit, has been named MSMS representative to cover the third national Conference on Physicians and Schools, Hotel Moraine, Highland Park, Illinois, November 6-7-8, 1951. This Conference is under the sponsorship of the American Medical Association.

\* \* \*

**More about the 1951 M.P.C.I.:** "The Michigan Postgraduate Clinical Institute went over very well this year. All of those with whom I talked were pleased with the program. A good, practical clinical interpretation is what they need."—J. M. ROBB, M.D., (Guest Essayist), Detroit.

\* \* \*

Lunette I. Powers, M. D., Muskegon, Michigan's Foremost Family Physician, was chosen by Northwestern University Alumni to receive the award of the year for distinguished service among its thousands of alumni. She returned to Northwestern June 7 to receive the honor during the Illumination Night ceremonies. Her notification stated that Dr. Powers was receiving the merit award from the Alumni Association "in recognition of worthy achievement." Dr. Powers was graduated from Northwestern Medical School in 1897 at the age of twenty-two. After internship at Chicago's Mary Thompson Hospital, Dr. Powers began the practice of medicine in Muskegon in 1900.

Previously, Northwestern University honored Dr. Powers with the Golden Reunion Certificate (1947).  
Congratulations, Dr. Powers!

The Exhibit Section of the MSMS Annual Session is as important, interesting and desirable to most doctors of medicine as the papers that are presented in the meeting room.

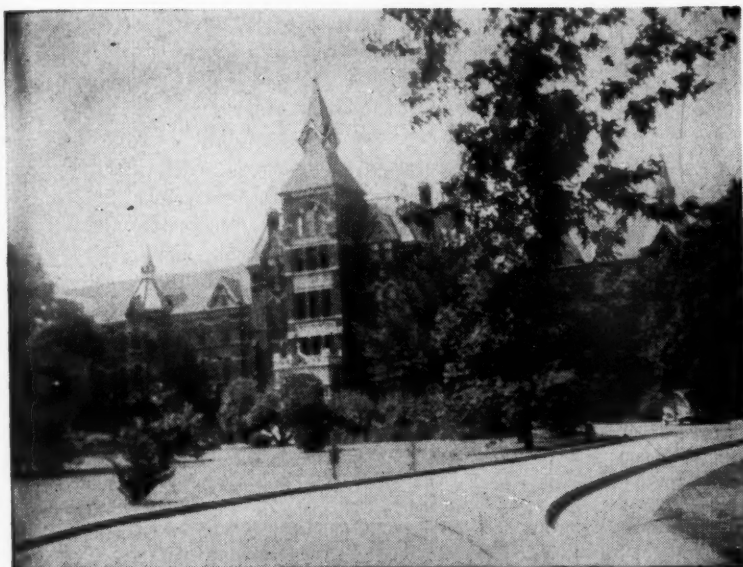
At the 1951 MSMS Annual Session in Grand Rapids, this Section will feature both Scientific and Technical Exhibits—a total of 140 booths.

Doctor, come to Grand Rapids for a wonderful three-day concentrated postgraduate course—and visit the scientific and technical exhibits (in the Civic Auditorium) to see and hear about something NEW.

(Continued on Page 822)

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(Continued from Page 820)

The National Gastroenterological Association announces its Course in Postgraduate Gastroenterology, to be given at the Drake Hotel in Chicago, September 20-22, 1951. For information and enrollment, write to the Association, Department GSJ, 1819 Broadway, New York 23, N. Y.

\* \* \*

Charles E. Dutchess, M.D., formerly of Detroit, and more recently Medical Director of Schenley Laboratories, Inc., in New York, was recently made Vice President of the Corporation. Dr. Dutchess left Detroit and became Medical Director of Schenley in 1944. He is in charge of clinical investigation and professional relations and services. He will continue his headquarters at the Schenley Laboratories New York office.

Arthur C. Emelin was recently made President of Schenley succeeding the late I. J. Seskis.

Congratulations, Dr. Dutchess and President Emelin!

\* \* \*

The American College of Surgeons will hold its 37th annual Clinical Congress in San Francisco, November 5-9, 1951, with headquarters at the Fairmont Hotel and Civic Auditorium.

For program and information, write the College at 40 E. Erie Street, Chicago, Illinois.

\* \* \*

The International College of Surgeons, United States Chapter, will hold its 16th Assembly at the Palmer House, Chicago, September 10-13, 1951. For program and complete information, write Arnold S. Jackson, M.D., Secretary, Jackson Clinic, Madison, Wisconsin.

\* \* \*

J. S. DeTar, M.D., Milan, Councilor of the Fourteenth District, presented the following talks in recent months:  
February 15—Detroit Medical Club: "Problems Incident to the Report of the Commission on the Healing Arts."  
March 30—Receiving Hospital Resident Staff, Detroit: "Rural General Practice; Its Advantages."  
April 17—Blue Shield, Inc. National, Biloxi, Mississippi: "Problems of Blue Shield from the General Practitioner's Viewpoint."  
May 3—Junior AMA, Ann Arbor: "Highlights in Current Problems Facing the Medical Profession."  
May 9—General Practice Section, St. Joseph's Hospital, Ann Arbor: "Standardization of Medical Practice in Hospitals."  
June 14—Federation of Women's Clubs, Ypsilanti: "To Your Health."  
June 23—Dale Carnegie Club International, Detroit: "Human Relations and the Family Doctor."

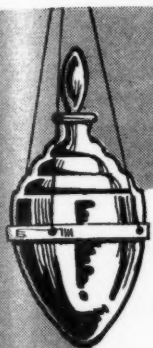
\* \* \*

### Medical Authors

Robert W. Buxton, M.D., Dean K. Ray, M.D. and Frederick A. Coller, M.D., Ann Arbor, are authors of an original article: "Acute Cholecystitis" which appeared in JAMA of May 26.

Frederick A. Coller, M.D., and Robert E. L. Berry, M.D., Ann Arbor, published an article, "Fluid and

(Continued on Page 824)



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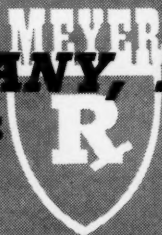
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Surgical Technic, Surgical Anatomy and Clinical Surgery, four weeks, starting August 6, September 10, October 8.  
Surgical Anatomy and Clinical Surgery, two weeks, starting July 23, August 20, September 24.  
Basic Principles in General Surgery, two weeks, starting September 10.  
Surgery of Colon and Rectum, one week, starting September 17, October 15.  
Esophageal Surgery, one week, starting October 15.  
Thoracic Surgery, one week, starting October 8.  
Gallbladder Surgery, ten hours, starting October 22.  
Breast and Thyroid Surgery, one week, starting October 1.  
General Surgery, one week, starting October 1.  
Fractures and Traumatic Surgery, two weeks, starting October 8.
- GYNECOLOGY**—Intensive Course, two weeks, starting September 24, October 22.  
Vaginal Approach to Pelvic Surgery, one week, starting September 17, November 5.
- OBSTETRICS**—Intensive Course, two weeks, starting September 10, November 5.
- MEDICINE**—Intensive General Course, two weeks, starting October 1.  
Gastroenterology, two weeks, starting October 15.  
Electrocardiography and Heart Disease, two weeks, starting October 22.
- UROLOGY**—Intensive course, two weeks, starting September 24.

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Chicago 12, Illinois

(Continued from Page 822)

Electrolyte Balance in Intestinal Obstruction," in *Minnesota Medicine*, May, 1951.

Joseph H. Shaffer, M.D., of Detroit, published an article, "Practical Points in Allergy," in *Minnesota Medicine*, May, 1951.

Claire L. Straith, M.D., and Morrison D. Beers, M.D., of Detroit, published an article, "Scalp Avulsions, Report of Early Homo and Zoo-Grafting and Recent Split Scalp Grafting," in *Plastic And Reconstructive Surgery Journal*, October, 1950.

Robert W. Buxton, M.D.; Dean K. Ray, M.D., and Frederick A. Coller, M.D., of Ann Arbor, published an article, "Acute Cholecystitis," in *The Journal of the American Medical Association*, May 26, 1951.

Reed Cranmer, M.D., of Ann Arbor, published an article, "Nystagmus Related to Lesions of the Central Vestibular Apparatus and the Cerebellum," in *Annals of Otolaryngology and Rhinology*, March, 1951.

Richard C. Schneider, M.D., and William M. Hegarty, M.D., Ann Arbor, published an article, "Extradural Hemorrhage as a Complication of Otolaryngological Infections," in *Annals of Otolaryngology and Rhinology*, March, 1951.

C. D. Selby, M.D., of Ann Arbor, published an article, "Physical Examination in Industry as a Cancer Case-Finding Procedure," in the *Industrial Medicine and Surgery Journal*, June, 1951.

Harold F. Falls, M.D., of Ann Arbor, published an article, "Sex-Linked Occular Albinism Displaying Typical Fundus Changes in the Female Heterozygote," in the *AMA Journal of Ophthalmology*, May, 1951.

E. S. Gurdjian, M.D., and J. E. Webster, M.D., of Detroit, published an article, "Cerebrovascular Accidents: Surgical Management with Particular Reference to Massive Intracranial Hemorrhage," in the *AMA Archives of Surgery*, May, 1951.

James R. Rogin, M.D., and Marion W. Jocz, M.D., of Detroit, had an article, "The Relative Infrequency of Occupational Dermatoses in Automobile Workers," in *Industrial Medicine and Surgery*, May, 1950.

Coleman Mopper, M.D., and James R. Rogin, M.D., Detroit, had an article, "Granuloma Fissuratum Healed by Penicillin Troches," in the *Archives of Dermatology and Syphilology*, November, 1950.

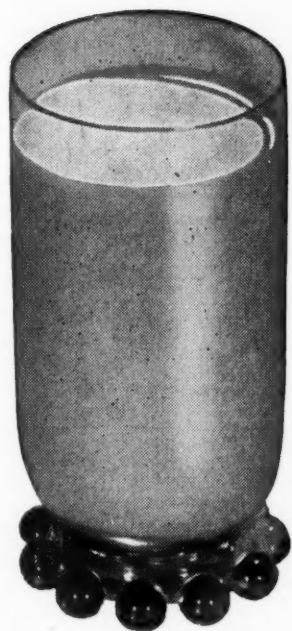
Coleman Mopper, M.D., and James R. Rogin, M.D., Detroit, had an article, "Benign Solitary Lymphocytoma," in the *Archives of Dermatology and Syphilology*, February, 1951.

James R. Rogin, M.D., of Detroit, had an article, "Allergic Eczematous Reactions of the Nail Bed Due to 'Under Coats,'" in the *Archives of Dermatology and Syphilology*, June, 1950.

Cyrus C. Sturgis, M.D., of Ann Arbor, published an article, "Treatment and Prognosis in the Leukemias and Allied Disorders," in *Postgraduate Medicine*, May, 1951.

\* \* \*

The Michigan Pathological Society held its spring meeting at Hurley Hospital, Flint, Michigan, the afternoon and evening of May 12, 1951, Drs. G. R. Backus and R. J. Jermstad acting as hosts.



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The program was a seminar of eighteen cases which were unusual and were diagnostic problems.

Dr. A. J. French of Ann Arbor presided as president of the Society.

\* \* \*

The Michigan Triological Society met at the Lansing Country Club, Thursday, May 24. The speaker was D. R. Slaughter, M.D., director of the Tumor Clinic, Illinois Research Hospital, Chicago. His topic was "Cancer of the Head and Neck."

New officers elected are president, Frank Heckert, M.D., of Lansing; secretary, W. R. Klunzinger, M.D., of Lansing.

\* \* \*

The Detroit Academy of Radiology at a meeting May 3 elected Horace Porter, M.D., of Jackson, as president.

\* \* \*

## Michigan Tumor Registry

The Michigan Pathological Society has announced that Henry Tesluk, M.D., has been appointed director of the Michigan Tumor Registry as of July 1, 1951.

Dr. Tesluk graduated from Cornell Medical School, New York City, in 1943, and divided his internship between New York Hospital and the Army Hospital at Fort Robinson, Arkansas.

His training in pathology was continued at the University of Rochester, N. Y., under Drs. G. Burroughs Mider and G. H. Whipple, where he also engaged in teaching and research under the Atomic Energy Commission. For the past two and a half years Dr. Tesluk

has been connected with the pathology department, Presbyterian Hospital, Chicago.

The Michigan Tumor Registry is housed at the Detroit Institute for Cancer Research, 4811 John R. Street, and its work supported by a grant from the Michigan Cancer Foundation. Each pathologist in Michigan is requested to file a slide and, if possible, a block of tissue together with a clinical abstract of each cancer patient seen. For this service the pathologist will receive \$1.00 per report.

The material filed with the registry will be available to physicians for study. It is expected that it will prove of special value to those studying for specialty board examinations. The registry material also will be available for postgraduate study. The registry is controlled by an administrative committee and, in addition, there is a board of consultants appointed for a three-year term with staggered membership. A member of the Cancer Control Committee serves on this consulting board.

The Michigan Tumor Registry, in time, should add materially to the resources of tumor pathology already well represented in the pathology departments of Michigan's two medical schools and also in many of the larger hospitals of the state. The combined resources of these institutions will make Michigan an outstanding state in the wealth of tumor pathological material available for clinical study and research.

\* \* \*

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Island's compulsory cash sickness insurance program is still operating in the red.

The cash sickness program's only source of income is a one per cent levy on wages of Rhode Island workers up to a maximum of \$30 a year for each individual. The special report issued recently by the state's Department of Employment Security points out that a levy of 1¼ per cent is necessary, other things being equal, to make the program self-sustaining if the present scale of benefit payments is maintained.

Last year the program took in \$5,373,510 and paid out \$6,213,064, leaving a deficit of \$839,554. The program thus had to dip into its reserves, which now stand at \$34,000,000.

\* \* \*

**Commerce Department Writing Up Physicians' Income Survey.**—The physicians' income survey, begun last summer under sponsorship of Commerce Department and the AMA, is nearing completion. Commerce is working on the first draft of the article which will cover about fifteen pages in the July issue of *Survey of Current Business*, a Commerce Department publication. When the project was undertaken, Commerce hoped to complete it by last December, but the percentage of returns was so high that statisticians were swamped. Some items, placed on the questionnaire at the request of AMA, will be mentioned but not developed by Commerce, leaving further breakdowns and analysis to AMA's Bureau of Medical Economic Research.

\* \* \*

### MICHIGAN STATE MEDICAL ASSISTANTS SOCIETY

Second Annual Convention—Grand Rapids  
September 26 and 27, 1951

#### PROGRAM

- A.M. *Wednesday, September 26*
- 9:30 Registration—Morton Hotel—Mezzanine
  - 10:30 Movie: "Energy Release from Food"—  
UPJOHN DRUG COMPANY
  - 11:30 "Your Employers Professional Ethics and You"—  
JOHN PEDDEN, M.D.

- P.M.
- 12:30 President's Luncheon—Peninsular Club  
(Reservations)
  - 2:00 Civilian Defense and Blood Bank  
(Speaker to be announced)
  - 3:00 Security: Social and Personal  
MR. R. KIRK SMITH, New England Mutual Life  
Insurance Co.
  - 3:45 Coffee Hour—  
(Sponsor to be announced)  
AB Rooms—Mezzanine
  - 4:30 View Exhibits—Civic Auditorium

#### Evening—Open

Thursday, September 27

- 9:30 Registration—Morton Hotel—Mezzanine
- 10:00  
(to noon) Medical Arts Surgical Supply—Medical Equip-  
ment Clinic
- 10:00 Aspects of Atomic Warfare—  
MISS GERTRUDE LEVANDOWSKI, R.N., Educa-  
tional Director of Grand Rapids Health De-  
partment
- 11:00 Movie: "Breast Cancer"  
C. ALLEN PAYNE, M.D., Chairman, Cancer Com-  
mittee of Kent County Medical Society

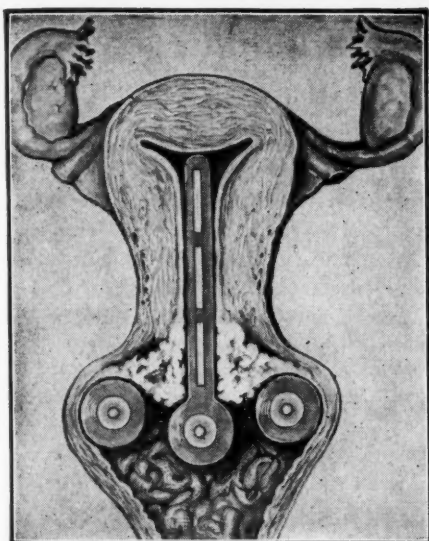
- M.
- 12:00 Luncheon—Michigan Hospital and Michigan  
Medical Service—Morton Hotel Banquet  
Room—Reservations

- P.M.
- 2:00 Business Meeting and Election of Officers—  
Ballroom
  - 4:00—View Exhibits—Civic Auditorium
  - 6:00 COCKTAIL HOUR—PROFESSIONAL MAN-  
AGEMENT—Morton Hotel Banquet Room
  - 7:00 BANQUET—Morton Hotel Ballroom  
(Reservations)

\* \* \*

**Thirty-four Bills** to establish cash sickness or disability compensation programs have been introduced this year in thirteen of the state legislatures and in Alaska. Fifteen of the bills provides for state monopoly as in Rhode Island. The California and New Jersey optional pro-

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visions are followed in ten of the bills. The other nine are patterned after the New York program of compulsory coverage but under private plans. In Michigan, Pennsylvania and West Virginia study commissions have been proposed to report after the current legislative sessions.

\* \* \*

**Compensation Bureau Pays \$5,100,000 For Medical Care.**—Labor Department's annual report lists \$5,100,000 paid for treatment of Federal Compensation Act patients and their transportation, with 4,000 private physicians sharing in the payments on a fee-for-service basis. A total of 67,000 payments were certified during 1950, or 65 per cent more than the average for prewar years. The act places no limitation on necessary medical and hospital services for beneficiaries, who include all government employees and certain categories of private employees under federal compensation jurisdiction, such as longshoremen and harbor workers. "Wherever practical," the report says, "these services and supplies are furnished by United States medical officers and hospitals. For this purpose, hospitals and dispensaries of the Public Health Service and Federal Security Agency are available without charge, as are, to a limited extent, the hospitals under the control of the Bureau of Indian Affairs. Army and Navy hospitals are generally used only for the treatment of civilian employees of the National Military Establishment (who are covered by workmen's compensation)." Total expenditures of the

Bureau of Employees' Compensation, which administers the program, were \$25,000,000 in benefits to 115,000 injured federal workers and \$9,125,000 to eligible private workers, exclusive of medical costs.

## HEMATOMA OF THE VULVA DURING LABOR

(Continued from Page 742)

the wound bed of the left labium tightly packed with iodoform gauze. At this time the patient developed mild shock but rapidly responded to treatment.

On the second postpartum day the patient's red blood count was 2,440,000 with 6.8 gms. hemoglobin. She was given a transfusion of 500 c.c. of citrated blood. On the following day her temperature rose to 103.4° F. Upon removal of the gauze packing the temperature dropped to normal.

Convalescence was uneventful, and she was discharged from the hospital on the fourteenth postpartum day. The labial wound appeared almost completely healed. Her hemoglobin was 9.5 gm.

Examination six weeks later revealed complete healing of the wound with no evidence of induration.

JULY, 1951

Say you saw it in the *Journal of the Michigan State Medical Society*

827

## THE DOCTOR'S LIBRARY

### THE DOCTOR'S LIBRARY

*Acknowledgment of all books received will be made in this column, and this will be deemed by us as full compensation to those sending them. A selection will be made for review, as expedient.*

**A TEXTBOOK X-RAY DIAGNOSIS.** By British Authors. In Four Volumes, Second Edition. Edited by S. Cochrane Shanks, M.D., F.R.C.P., F.F.R., Director, X-Ray Department, University College Hospital, London, and Peter Kerley, M.D., F.R.C.P., F.F.R., D.M.R.E., Director X-Ray Department, Westminster Hospital; Radiologist, Royal Chest Hospital, London. Volume II with 605 illustrations. Philadelphia: W. B. Saunders Co., 1951. Price \$15.00.

The first edition of the work by these authors, which came out in 1940, was a very welcome addition to the library of any physician, but especially to the library of a person interested in Roentgenology.

The new edition, just out, of which I have seen only Volume II, is very much expanded. This volume is so designed that it will be of aid to all internists, especially those interested in cardiology and chest, as well as to the radiologist.

The scope of the book is profound, the material well presented and illustrated.

The printing is easily read. The reproductions are good. The only real criticism is based on the use of positives in the reproduction of the x-ray plates. All of us are used to negatives and, frankly, the positives make me not quite sure that I see that to which the authors are referring.

G. T. P.

**VITAMIN E: Annotated Bibliography 1940 to 1950.** By Philip L. Harris and Wilma Kujawski. 184 pages. New York: The National Vitamin Foundation, Inc. Price \$3.00.

Vitamin E covers many bits of knowledge. When the vitamins were first given attention we begged for a tabulation or monograph which would explain them

to us. Now this bibliography is published and covers the papers and authors of ten years. There are several considerations, occurrence, determination, chemistry, physiology and pathology, pharmacology, nutrition and metabolism, medical and therapeutic use and veterinary use. 1562 articles are listed, with names of authors, reference to publication, and a short paragraph on the contents of the article. This is a very interesting compendium.

**GROWTH AND DEVELOPMENT OF CHILDREN.** By Ernest H. Watson, M.D., Associate Professor, and George H. Lowrey, M.D., Instructor, Department of Pediatrics and Communicable Diseases, University of Michigan Medical School. Chicago, Ill.: The Year Book Publishers, Inc., 1951. Price \$5.75.

Another group of Michigan doctors has published a very fine book. The studies have been carried on for many years, in an attempt to make available sources for students in the Departments of Pediatrics. Growth and development have been observed and recorded for comparison from many different angles. Weights, measurements, osseous development, behavior development, endocrine glands are some of the subjects carefully described.

**NUTRITION AND CHEMICAL GROWTH IN CHILDHOOD.** Volume III. Calculated Data. By Icie G. Macy, Ph.D., Sc.D., Director of the Research Laboratory Children's Fund of Michigan; Past-President, American Institute of Nutrition; Chairman, Maternal and Child Feeding Committee, Food and Nutrition Board, National Research Council; Consultant for Nutrition to the Pediatric Staff of the Children's Hospital of Michigan; Honorary member of the Society for Pediatric Research; Member of the American Society of Biological Chemists and of the Society for Research in Child Development; Fellow, American Public Health Association. With a Foreword by Helen A. Hunscher, Ph.D., Head of the Department of Home Economics, Western Reserve University, Cleveland, Ohio. Springfield, Ill.: Charles C Thomas. Price \$2.00.

After the few introductory pages this book is made up completely of tables, of which there are 1,330 on every subject of nutrition. For instance, a page table Successive Calcium intake, absorption, retention. On the next page is Cumulated Calcium intake, absorption and retention. The whole book is made up of a vast amount of this type of information.

Invaluable as a source reference.

**PIONEER DOCTOR.** By Lewis J. Moorman, M.D. Norman, Okla.: University of Oklahoma Press, 1951. Price \$3.75.

Doctor Moorman has told his own story in a very delightful way. He is an accomplished writer of papers, monographs, and has served as Editor of the *Journal of the Oklahoma State Medical Society*. The story is of a busy life which encompassed many steps in the growth of the modern medical man, including experience in teaching, economic plans, country practice, and especially over twenty-five years in the treatment of tuberculosis. Well deserving the time spent with a brilliant man in his reminiscences.

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**WHEN MINDS GO WRONG.** A Simple Story of The Mentally Ill—Past, Present and Future. By John Maurice Grimes, M.D., twenty years as psychiatrist; four years a staff member of the Council on Medical Education and Hospitals of the American Medical Association; author of "Institutional Care of Mental Patients in the United States." First Edition. Illustrations by K. Alexandra White. Published and Distributed by the Author. Price \$5.00.

Reading between the lines, one can feel much frustration and bitterness in the author. He shows considerable determination to have his book published even though it is being done at his expense. It is difficult to determine to whom the author is addressing it. If to the laymen, it can only add confusion and fear in their minds. He is critical of our mental hospital system without ideas of correction beyond what has been the program of hospital administrators for years. As study material for the physician, he offers nothing. His meager description of mental illness would cause one to suspect whether or not he had any but a superficial psychiatric training.

G.K.S.

**REST AND PAIN.** By John Hilton, F.R.S., F.R.C.S. Edited by E. W. Walls, M.D., Ch.B., B.Sc., Professor of Anatomy in the University of London at Middlesex Hospital Medical School, and Elliott E. Phillipp, M.A., M.B., B.Chir., M.R.C.S., M.R.C.O.G., Honorary Demonstrator in Anatomy at Middlesex Hospital Medical School, in collaboration with H. J. B. Atkins, D.M., M.Ch., F.R.C.S., Director of the Department of Surgery, Guy's Hospital. Philadelphia: J. B. Lippincott Co. Price \$10.00.

This English volume consists of a series of eighteen lectures given by Dr. Hilton between the years 1860 and 1862. For a decade the book has been out of print, but

has now been republished and in some ways revised. Dr. Hilton was a profound anatomist and surgeon who through keen observation was able to make correct diagnoses without the use of thermometers, x-rays and laboratory facilities that are at the disposal of surgeons today. For this reason and also because of his philosophical approach to the subject of surgery, the book would appear to be of great interest to surgeons and orthopedic men especially. He understood the value of rest and the work of Nature in curing his patients. In our busy life today sometimes we are not sufficiently apprehensive of those needs.

This book can be recommended to any studious physician who is interested in the historical aspects of his profession. Furthermore, much valuable information can be derived.

G.K.S.

**THE AMERICAN ILLUSTRATED MEDICAL DICTIONARY.** By W. A. Newman Dorland, A.M., M.D., F.A.C.S., Lieut. Colonel, M.R.C., U. S. Army; Former Member of the Committee on Nomenclature and Classification of Diseases of the American Medical Association. New, 22nd Edition. 1,736 pages, with 720 illustrations, including 48 plates. Philadelphia and London: W. B. Saunders Company, 1951. Price \$10.00.

Dorland's Medical Dictionary has become standard. The new twenty-second edition is now available. This issue is the completion of a half century and contains hundreds of new terms and definitions. The print is clear, words in black-face, two columns to the page and the edge thumb-indexed.

This is an indispensable book.

JULY, 1951

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## DOCTORS AND DOLLARS

(Continued from Page 745)

overheads as low as 25 to 30 per cent, while the extremely small practices have overheads as high as 45 to 50 per cent. The numerical average of all our doctors runs 38 to 40 per cent. The specialty is very significant—surgical specialties averaging 30 to 33 per cent, internal medicine 35 to 37 per cent, general practice about 38 to 40 per cent and pediatrics 40 to 43 per cent.

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The doctor should no longer limit his responsibility to his professional efforts and let the business side of his practice run itself. Likewise, although all possible detail should be delegated to his office staff when they are capable, decisions as to policy should never be delegated. The doctor must run his office and not permit it to run him.

Following out such a program, coupled with equally intelligent handling of the personal business can still provide a reasonable security for old age, a problem the doctor still has to solve for himself, and which will be discussed next month.

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